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Items of Interest in Seed Control

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United States
Department of
Agriculture

Marketing and
Regulatory
Programs

Agricultural
Marketing
Service

Livestock and Seed
Program

Spring 2000

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FEDERAL SEED ACT REGULATIONS

On February 10, the recent amendment of the Federal Seed Act (FSA) Regulations, with the exception of Section 201.16(b), went into effect. Section 201.16(b), which contains the Federal Noxious Weed Act (FNWA) list (except for dodder species), will become effective on January 11, 2001. The amendments include:

- Designating the kinds listed in the FNWA, except for *Cuscuta* species, as noxious weeds in seed shipped in interstate commerce and prohibiting the shipment of agricultural and vegetable seed containing these weed seeds;
- Adding creeping foxtail and flatpea as kinds subject to the FSA;
- Changing testing regulations to clarify purity calculations for coated seed, changing the classification of *Juncus* spp. capsules, require retesting when germination replicates exceed permitted variations, and modifying germination test procedures for buffalograss, crambe, and crownvetch; and
- Changing seed certification regulations to modify labeling requirements for lawn seed mixtures and seed in small containers, and added genetic standards for chemically assisted hybrid cotton.

FEES FOR SERVICE TESTING SCHEDULED FOR INCREASE

The Agricultural Marketing Service regularly reviews its user fee financed programs authorized by the Agricultural Marketing Act to determine if the fees are adequate to cover the costs of providing the service. The most recent review determined that the current fee schedule for the voluntary seed testing program will not generate sufficient revenues to cover program costs while maintaining the required reserve balance. The announcement of the proposed increase in the hourly rate from \$40.40 to \$44.40 per hour was published in the Federal Register in October. The Final Rule will be published in the Federal Register shortly, with an estimated effective date of May 1. Approximately 90 to 95 percent of the seeds tested in this program pertain to seed lots scheduled for export where a Federal Seed Analysis Certificate is required.

BIOTECHNOLOGY DETECTION METHODS VALIDATION WORKSHOP

Branch Chief Richard Payne attended the Biotechnology Detection Methods Validation Workshop in Kansas City, MO, February 24 and 25. The workshop was designated to foster discussion of the proper validation and use of DNA-based (PCR) and immunological-based detection methods as diagnostic tools for grain testing. Although the focus of the workshop was directed toward testing grain, these testing procedures would be equally applicable to testing seed. While the techniques discussed have the ability to detect the presence of specific genetically modified organisms (GMO), such as Bt corn and Roundup Ready® soybeans, it appears they have not been refined to the extent that they can accurately determine the percentage of GMO contamination in non-GMO samples. The workshop was hosted by USDA's Grain Inspection, Packers and Stockyards Administration and the Analytical Environmental Immunochemical Consortium.

GMO TESTING WORKSHOP AND SEED TECHNOLOGY CONFERENCE

Richard Payne attended a Genetically Modified Organism (GMO) Testing Workshop and Seed Technology Conference held February 14 and 15 at Iowa State University, Ames, IA. The workshop covered germination-based tests used to detect corn and soybean varieties resistant to specific herbicides. ELISA-type test kits and test strips to detect Bt corn and Roundup Ready® soybeans were also covered in the hands-on portion of the workshop. In addition, information about DNA-based PCR testing procedures was also presented.

The Seed Technology Conference covered national, international, and company policies as they relate to the handling and marketing of GMO and non-GMO seed.

SEED INSPECTOR TRAINING IN TENNESSEE

Seed Marketing Specialist Harold Laswell traveled to Burns, TN, February 2, and conducted Federal Seed Act training for 19 people including inspectors and other Tennessee Department of Agriculture personnel. Tennessee inspectors are cross-trained and are given responsibilities to inspect numerous commodities including feed, seed, fertilizer, and agricultural and structural pesticides.

AOSCA ADVISORY COMMITTEE MEETING

The Seed Regulatory and Testing Branch (SRTB) is represented on the Association of Official Seed Certifying Agencies (AOSCA) advisory committee because the Federal Seed Act (FSA) sets minimum standards for certified seed that must be met by all State certification agencies. SRTB Seed Marketing Specialist Steve Hurst attended the February 23, AOSCA advisory committee meeting in Atlanta, GA. Hurst reported on SRTB activities and the recent amendments to the FSA Regulations, especially the amendments related to the certification standards.

Two items on the agenda at the meeting dealt with the FSA. One item related to tolerances that are being considered to cover genetically enhanced seed found in certified varieties of non-genetically enhanced corn and soybean varieties and *vice versa*. Although various tolerance levels ranging from one to two percent have been suggested, current tolerances in Table 5 of the FSA Regulations only allow a maximum of 0.5 percent for other varieties or off-types in seed of certified varieties of corn and soybean. Another item on the agenda concerned the requirement in Section 201(a)(9) of the FSA that either the interstate shipper's name and address shall appear upon the label or a code designation identifying the interstate shipper along with the consignee's name and address. Information on this topic was presented since some companies, organizations, and individuals were apparently unaware of this requirement in the FSA.

ISTA QUALITY ASSURANCE WORKSHOP

Seed Regulatory and Testing Branch Botanist Susan Maxon participated in a Quality Assurance Workshop given March 13-17, by the International Seed Testing Association (ISTA) in Keizer, OR. About 20 representatives from State seed laboratories and private seed testing laboratories also participated. The workshop agenda included background on quality assurance, how to set up a laboratory quality system, accreditation audits, and the ISTA Accreditation System. The workshop was sponsored by the Society of Commercial Seed Analysts, with Sharon Davidson, Agri Seed Testing, handling local arrangements.

ASCONES MEETING

The Association of Seed Control Officials of the Northeastern States (ASCONES) met March 29 in Hagerstown, MD.

ASCONES President Joe Garvey (PA) called the meeting to order. Officials from the Maryland Department of Agriculture, the New Jersey Department of Agriculture, the Pennsylvania Department of Agriculture, and the West Virginia Department of Agriculture attended. Branch Chief Richard Payne, Seed Marketing Specialist Don Dreyer, and Seed Marketing Assistant Jeri Irwin represented the Seed Regulatory and Testing Branch (SRTB). Guests and speakers from The Atlantic Seedsmen's Association (ASA), a seed trade organization, were Dr. John Baylor, ASA Executive Director, and Fred Grau, Jr.

The representatives gave brief reports of their organizations activities and operations. The group then addressed a diverse agenda of topics including the following:

- Mr. Grau led a discussion about invasive species, their control, and possible effect on the seed industry and on seed regulatory activities.
- The members discussed a proposed uniform seed label that is intended to satisfy labeling requirements for all of the States and of the Federal Seed Act. They discussed the necessity to amend the Recommended Uniform State Seed Law (RUSSL) and the probable necessity of each State amending its seed law if a uniform label is adopted.
- The American Association of Seed Control Officials (the parent organization of ASCONES) held a mid-year meeting in February in San Diego, CA. The ASCONES representatives that attended praised the various topics and working groups that were part of the San Diego agenda.
- A proposal to allow the Society of Commercial Seed Analysts to vote on proposed changes to Association of Official Seed Analyst seed testing regulations was discussed.
- Recently seed regulatory officials have found "bag in a bag" products being marketed. The inability to sample the inner bag and the problem of conspicuously labeling these products made them unacceptable to the membership.
- The regulation of turf and forage seed products with insect resistance claims was discussed.
- The group was in agreement with a proposal to reduce the germination testing count for Kentucky bluegrass from 28 to 21 days in the Rules for Testing Seeds of the Association of Official Seed Analysts.
- The members discussed the bankruptcy of a major seed company, its current status, and regulatory and service testing involving the company.
- The subject of how analysis information must be presented on a seed container was discussed. Some seed products are now being marketed with the required labeling information spread over the container rather than concentrated on a label or one panel of the container.

- The SRTB representatives emphasized the necessity for interstate shippers either to show their name and address or an AMS code designation so that the shipping company is clearly identified.
- Carryover seed that is being relabeled without supporting test information is a regulatory concern.
- The members discussed possible regulatory actions involving a mislabeled variety that resulted in complete crop loss for one State's farmers.
- The use of codes to designate seed treatments rather than clearly labeling the seed treatment was discussed. Among the problems this could present are health and safety considerations.
- The limitations of testing procedures for genetically enhanced versus non-genetically enhanced crops were discussed.
- Genetically enhanced crop certification tolerances were discussed.

WHITE COTYLEDONS IN GREEN COTYLEDON LIMA BEAN VARIETIES

We have had complaints about off-types with white cotyledons found in varieties of lima beans such as 'Cangreen,' in which all seeds should have green cotyledons. State seed laboratories have submitted samples to us for testing to confirm their mixture findings. In many cases, our counts of off-types have been 50 percent lower than those found by the State laboratory.

Lima bean mixtures are often difficult to evaluate for cotyledon color due to intermediate types where seeds have some green pigment but appear as mostly white. In order to better evaluate intermediate types, we first sort the lima beans into three categories (green, intermediate, and white) and then immerse them in just enough water to cover them. After several hours of imbibition, during which time some seeds are poked with a needle to puncture the seed coat and promote imbibition, the three categories become more apparent. In some cases, after imbibition, the seed coats are removed, the cotyledons separated and green pigment is seen on the inside surfaces of the cotyledons. Seeds of this type, with any green pigment at all, are grouped together with the green types. This gives us two categories, green and white.

In field grow-outs conducted in 1998 at Southern University by our cooperator, Dr. Owusu Bandele, our laboratory counts of white cotyledon off-types were confirmed. White cotyledon plants can be spotted in the field because they produce a yellow senescent leaf, whereas green cotyledon plants produce a green senescent leaf.¹ These senescent leaves can be spotted on mature plants by looking at the lowest leaves, which tend to senesce first. Counts of plants with this yellow leaf trait closely matched white cotyledon counts taken prior to planting.

We have tried to reproduce the yellow senescent leaf in the growth chamber without success.

¹ Unpublished observation by Steve Antonius, Agri Sales, Inc.-California, Ordbend, CA.

REQUESTING AMS NUMBERS

An AMS number is a code designation issued by the Agricultural Marketing Service which may be used instead of a company's name and address to label seed shipped in interstate commerce. An AMS code designation may only be used with the permission of the company receiving the seed. Using an AMS code designation allows the shipping company to label the name and address of the receiving company on the label. The receiving company can then reship the seed without the need to relabel the company name and address. The information we need to issue an AMS code designation is the company's name, complete address, telephone number, and the name of the person requesting the AMS code. So that we have complete information, mail or fax (301-504-8098) on company letterhead is probably the best way to request an AMS code.

STANLEY F. ROLLIN

We were sorry to learn that Stan Rollin passed away on January 27. Stan had a 42-year Federal career including serving from 1960 to 1970 as chief of what is now the Seed Regulatory and Testing Branch. He became the first commissioner of the Plant Variety Protection Office and served in that capacity until his retirement at the end of 1977. Along with other recognition, Stan received a USDA Certificate of Merit. He was president of the Association of American Seed Control Officials (AASCO) from 1967 to 1969 and president of the International Seed Testing Association from 1972 to 1977. He was an honorary member of AASCO. After his retirement, Stan was self-employed as a seed consultant.

FEDERAL SEED ACT CASES SETTLED

The following cases were settled administratively under the Federal Seed Act between January 1 and March 31. Under the administrative settlement procedure, the Seed Regulatory and Testing Branch and the firms agreed to settle the cases for the amount specified with the firms neither admitting nor denying the charges:

- Alabama Farmers Cooperative, Inc., Decatur, AL, has paid \$750 for a case involving two seed shipments. The alleged violations, while not the same for both shipments, were false labeling of noxious-weed seeds, failure to show the required shipper identification, and failure to keep required records. Seed regulatory officials in Florida cooperated in the initial sampling and inspection.
- Medalist America, Post Falls, ID, has paid \$1,250 for a case involving three seed shipments. The alleged violations, while not the same for all shipments, were false labeling as to noxious-weed seeds, purity, and the germination test date; failure to show the presence of noxious-weed seeds and their rate of occurrence; and failure to keep required records. Seed regulatory officials in Pennsylvania and Virginia cooperated in the initial sampling and inspection.
- Royster-Clark, Inc., Tarboro, NC, has paid \$2,250 for a case involving five seed shipments. The alleged violations, while not the same for all shipments, were false labeling of purity, noxious-weed seeds, and the representation of the seed being certified; and failure to label the presence of noxious-weed seeds, keep required

records, and label the shipper's address or code designation. Seed regulatory officials in North Carolina and Virginia cooperated in the initial sampling and inspection.

- Schallert Seed Company, Purdy, MO, has paid \$1,225 for a case involving three seed shipments. The alleged violations, while not the same for all shipments, were failure to label the presence of noxious-weed seeds and keep required records, and false noxious-weed seed and purity labeling. Seed regulatory officials in Alabama, Kentucky, and Virginia cooperated in the initial sampling and inspection.
- Seeds, Inc., Tekoa, WA, has paid \$1,625 for a case involving four seed shipments. The alleged violations, while not the same for all shipments, were false labeling of germination and purity; and failure to test within the required time prior to shipment, keep required records, and label required information for a seed component. Seed regulatory officials in Kentucky, Tennessee, and Virginia cooperated in the initial sampling and inspection.
- Smith Seed Services, Halsey, OR, has paid \$2,700 for a case involving five seed shipments. The alleged violations, while not the same for all shipments, were false labeling of noxious-weed seeds, purity, and representation of having a uniform seed "lot," and failure to label the presence of noxious-weed seeds and the shipper's address or code designation. Seed regulatory officials in Florida, Georgia, Kentucky, Missouri, and Virginia cooperated in the initial sampling and inspection.

Directory of Services

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RYEGRASS FLUORESCENCE LIST

We have not received any changes from the National Grass Variety Review Board since our last issue.

Perennial Ryegrass Variety Name	Percent Varietal Fluorescence	Perennial Ryegrass Variety Name	Percent Varietal Fluorescence	Perennial Ryegrass Variety Name	Percent Varietal Fluorescence
246	0.27%	Goalkeeper	0.82%	Shining Star	0.10%
2CB	1.97%	Greenland	1.20%	Sonata	1.20%
856	0.87%	Grimalda	2.00%	SR 4100 ³	0.37%
89-90	2.15%	Headstart	2.09%	SR 4200	0.34%
90-14 ¹	7.12%	ISI-RUPR (Gator II) ¹	2.50%	Stallion Select	2.37%
A + 96 ¹	0.92%	Jiffie	6.06%	Stallion Supreme	1.16%
A7 White ¹	2.19%	Laredo	0.53%	Stardance	1.90%
Academy	2.33%	Legacy	0.37%	Statesman	1.27%
Accent	0.56%	Lindsay	1.72%	Statesman II	8.42%
Accolade	4.83%	Line Drive	2.72%	Sunshine ¹	2.65%
Accord	4.08%	Linn	5.00%	Target	3.28%
Achiever	0.93%	Lowgrow ³	1.31%	Tonga	11.53%
Advent	0.14%	Lowgrow II	1.35%	TopGun ¹	0.54%
Affinity	0.77%	LRF-94-C8 ¹	0.64%	Top Hat	0.77%
Agresso	2.00%	Lynx	4.19%	Topeka	2.34%
All*Star	0.47%	Magic	1.21%	Tove	17.48%
Allaire II	1.15%	Majesty	1.59%	Twister	3.85%
APM	0.59%	Manhattan II ³	0.65%	Vantage	2.19%
Aquarius	0.97%	Manhattan	0.88%	Vivid	1.24%
Archer	1.51%	Mardi Gras	1.07%	Wind Dance	1.17%
Ascend	3.09%	Monterey ¹	2.64%	Wind Star	0.47%
Assure	0.72%	Morningstar	0.87%	Wizard ³	2.57%
Bedford	1.40%	Mulligan	1.86%	WVPB-93-KFK ¹	3.84%
Bella	0.65%	Navajo ³	0.37%	WVPB-PR-C-2, C-2 ¹	8.65%
Blackhawk	1.17%	Newlinn	5.85%	WVPB-PR-Koos-95-9 ¹	6.85%
Blazer III	1.18%	NightHawk	1.39%	WVPB-PR-RS-2 ¹	1.59%
Boardwalk	2.72%	Nobility	7.53%	Yorktown III	1.42%
Breeze	1.57%	Nomad	1.03%		
Brightstar	1.79%	Nova	1.00%	Annual	Percent
Brightstar II	2.24%	Omega 3	0.73%	Ryegrass	Varietal
Buccaneer	7.44%	Omni	0.51%	Variety Name	Fluorescence
Buccaneer II	5.48%	Pageant	2.22%	Florida 80	98.89%
CIS-MBH	1.27%	Palmer	1.04%	Grazer	99.78%
C-21	6.28%	Palmer II	1.51%	Gulf	99.02%
Caddieshack ¹	0.88%	Palmer III	0.23%	Jackson	98.80%
Caliente	0.74%	Panther	1.18%	Magnolia ²	---
Calypso	1.29%	Passport ³	1.06%	Marshall	96.00%
Calypso II	0.47%	Patriot II	0.42%	Rio ¹	98.97%
Catalina	3.18%	Pearl	1.86%	Surrey	98.91%
Cathedral	0.85%	Pegasus	2.41%	TAM 90	98.45%
Chaparral	1.62%	Pennant	0.50%		
Charger II	0.54%	Pennant II	1.63%	¹ Experimental Designation and/or	
Charisma	2.39%	PICK Lp Q-93 ¹	6.44%	Variety	
Chatham ¹	2.11%	Pleasure	4.09%		
Citation III	0.96%	PR8820	0.79%	² Exempt from varietal fluorescence	
Commander	1.02%	Prelude	1.72%	testing calculations.	
Cutter	1.65%	Prelude II	2.25%		
Dancer	0.78%	Prelude III	0.59%	³ The NGVRB is now listing OECD	
Dandy	2.00%	Prizm	0.71%	synonym names. These names are not	
Delaware Dwarf	2.60%	Protocol	4.30%	acceptable for sale in the United States	
Derby Supreme	2.85%	Quickstart	0.18%	and are included for informational	
Dillon	4.14%	R2	1.25%	purposes. The variety and its OECD	
Divine	3.09%	Racer ¹	1.23%	synonym shown in italics are: Excel--	
DS95-201 (Enchanted) ¹	1.12%	Regency	0.99%	<i>Romadera</i> , <i>Fiesta II--Pickwick</i> ,	
Edge	1.73%	Repell	0.33%	<i>Lowgrow--Lex86</i> , <i>Manhattan II--</i>	
Elegance	1.51%	Repell II ³	1.56%	<i>Numan</i> , <i>Navajo--Comanche</i> , <i>Passport--</i>	
Elf	0.75%	Repell III	0.80%	<i>Romeo</i> , <i>Repel II--Verdi</i> , <i>Seville--</i>	
Elite	4.84%	Reveille	2.00%	<i>Leonardo</i> , <i>SR4100--Athena</i> , and	
Envy	0.22%	Riviera	0.58%	<i>Wizard--Sardinero</i> .	
Equal	1.98%	Riviera II	1.08%		
Evening Shade	1.17%	Roadrunner	2.53%		
Excel ³	1.53%	Rodeo II	2.47%		
Express	4.00%	Rosalin ¹	3.26%		
Fiesta II ³	1.14%	Saturn II	0.85%		
Gator	0.88%	Seville ³	0.33%		
Gettysburg	2.74%	Sherwood	1.08%		

List of Plant Variety Protection Certificates

PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
ALFALFA				ALFALFA			
5151	Pioneer Hi-Bred International, Inc.			Alfagraze	University of Georgia Research Foundation, Inc.		
5246	Pioneer Hi-Bred International, Inc.	Y		Allegiance Allstar	United AgriSeeds, Inc.	Y (*)	
5252	Pioneer Hi-Bred International, Inc.			Apollo II Arrow	W-L Research, Inc.		
5262	Pioneer Hi-Bred International, Inc.			Arroyo Capital	Lathrop & Gage L.C.		
5311	Pioneer Hi-Bred International, Inc.				Lathrop & Gage L.C.		
5312	Pioneer Hi-Bred International, Inc.				Plant Genetics, Inc.		
5331	Pioneer Hi-Bred International, Inc.			Chief Cimarron VR Crockett Cut'N'Graze	Pioneer Hi-Bred International, Inc.		
5333	Pioneer Hi-Bred International, Inc.	Y			International, Inc.		
5364	Pioneer Hi-Bred International, Inc.			Dart Diamond DK127	W-L Research, Inc.		
5373	Pioneer Hi-Bred International, Inc.				Thaddeus H. Busbice Novartis Seeds, Inc.		Y
5432	Pioneer Hi-Bred International, Inc.				University of Georgia Research Foundation, Inc.		
5444	Pioneer Hi-Bred International, Inc.				Lathrop & Gage L.C.		
5454	Pioneer Hi-Bred International, Inc.			DK140	Lathrop & Gage L.C.		Y
5472	Pioneer Hi-Bred International, Inc.			DK141	DEKALB Genetics Corporation		Y
5681	Pioneer Hi-Bred International, Inc.			DK143	DEKALB Genetics Corporation		Y
5683	Pioneer Hi-Bred International, Inc.				DEKALB Genetics Corporation		
5715	Pioneer Hi-Bred International, Inc.	Y		Endure Expo Flint Granada GT-13R Plus Hasawi +	DEKALB Genetics Corporation		Y
5888	Pioneer Hi-Bred International, Inc.				Lathrop & Gage L.C.		
5939	Pioneer Hi-Bred International, Inc.				Lathrop & Gage L.C.		
Advantage	Lathrop & Gage L.C.				Forage Seeds International Vista Research Dairyland Seed Company, Inc.	Y (2) Y (2)	
		Y		Legend MagnaGraze	Dairyland Seed Company, Inc.		
					Dairyland Seed Company, Inc.	Y (2)	
		Y		Magnum III Magnum IV Maverick	Dairyland Seed Company, Inc.		

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND	VARIETY	APPLICANT	TITLE V 1994 (GEN.)	KIND	VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA
ALFALFA	Mohawk	Cornell University Agricultural Experiment Station		Wrangler		Nebraska Agricultural Experiment Station and USDA-ARS	Y (2)	
	MultiKing 1	Novartis Seeds, Inc.		York		Plant Genetics, Inc.		
	Nitro	Minnesota Agricultural Experiment Station and USDA-ARS	Y (2)	ALKALIGRASS, WEEPING Fults		NK Lawn and Garden Company		
	Oneida VR	Cornell University Agricultural Experiment Station	Y (2)	Salty ARTICHOKE		Lofts Seed Company, Inc.		Y
		W-L Research, Inc.		Big Heart XR-1 Emerald		Big Heart Seed		
PRO-CUT	Rushmore	Novartis Seeds, Inc.		Imperial Star		Tom G. Kurupas Farming	Y (2)	
	Salute	United AgriSeeds, Inc.	Y (2)	ASTER, CHINA		The Regents of the University of California	Y (2)	
	Sapphire	Lathrop & Gage L.C.		Pot 'N Patio Violet Blue		W. Atlee Burpee Company		
	Spredor 2	Novartis Seeds, Inc.		Y BAHIAGRASS				
	Spredor 3	Novartis Seeds, Inc.		Y Tifton 9		USDA-ARS	Y (2)	
	Superba	Pioneer Hi-Bred		Y BARLEY				
		International, Inc.		400		Novartis Seeds, Inc.		
	Sutter	Plant Genetics, Inc.		401		Novartis Seeds, Inc.		
SW 14	Thunder	S&W Seed Company		409		Novartis Seeds, Inc.	Y (3)	
	Treasure	Lathrop & Gage L.C.		425		Novartis Seeds, Inc.		
	Vector	Clark Seeds, Inc.		560		Novartis Seeds, Inc.		
	Viking 1	Plant Genetics, Inc.		Apex		Cebeco Zaden B.V.	Y (3)	
	Vortex	Novartis Seeds, Inc.		B1201		Busch Agricultural	Y (3)	
	Webfoot	Plant Genetics, Inc.				Resources, Inc.		
WL 225		Michigan State University	Y (2)	B1202		Busch Agricultural	Y (3)	
WL 252 HQ		W-L Research, Inc.	Y (*)			Resources, Inc.		
WL 315		W-L Research, Inc.		B1203		Busch Agricultural	Y (3)	
WL 316		W-L Research, Inc.				Resources, Inc.		
WL 317		W-L Research, Inc.		B1215		Busch Agricultural	Y (3)	
WL 320		W-L Research, Inc.	Y (*)			Resources, Inc.		
WL 322 HQ		W-L Research, Inc.		B1601		Busch Agricultural	Y (3)	
WL 326 GZ		W-L Research, Inc.				Resources, Inc.		
WL 457		W-L Research, Inc.		B1602		Busch Agricultural	Y (3)	
WL 516		W-L Research, Inc.	Y (*)			Resources, Inc.		
WL 525 HQ		W-L Research, Inc.	Y (*)	B1603		Busch Agricultural	Y (3)	
WL 605		W-L Research, Inc.	Y (*)	B1614		Resources, Inc.	Y (3)	

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	TITLE V (GEN.)	1994 PVPA
BARLEY				BARLEY		
B2027	Busch Agricultural Resources, Inc.		Y	Excel	Y (3)	
B2601	Busch Agricultural Resources, Inc.	Y (3)		Falcon	Y (3)	Y
B2912	Busch Agricultural Resources, Inc.	Y (3)		Fiesta	Y (*)	
B3213	Busch Agricultural Resources, Inc.		Y	Foster	Y (3)	Y
B4311	Busch Agricultural Resources, Inc.		Y	Galena	Y (3)	
B7098	Busch Agricultural Resources, Inc.		Y	Idagold	Y (2)	
Baronesse	Busch Agricultural Resources, Inc.		Y	Lindy	Y (3)	
Bellona	Peterson Seed Company, Inc.		Y	Logan	Y (3)	Y
Birka	Cebeco Zaden B.V.	Y (3)		Max	Y (3)	Y
Bounty	W. Weibull AB	Y (3)		Merlin	Y (3)	Y
Bridger-82	P. Thomas Wymore	Y (2)		Moravian 14	Y	Y
Bumper	Agripro Seeds, Inc.	Y (3)		Mucho	Y (3)	
Callao	Busch Agricultural Resources, Inc.	Y (3)		Nebula	Y (3)	Y
Camargue	Virginia Agricultural Experiment Station	Y (3)	Y	Nomini	Y (3)	
Camelot	Sharpes International Seeds Limited	Y (3)		Onda	Y (3)	
Chilton	MMG Agriseed	Y (2)		Pamunkey	Y (3)	
Chinook	Wisconsin Agricultural Experiment Station	Y (3)	Y	Pennbar 66	Y (2)	
Chopper	Montana Agricultural Experiment Station	Y (3)		Pennco	Y (3)	
Citation	Wisconsin Agricultural Experiment Station	Y (2)		Piston	Y (*)	
Columbia	Experiment Station Plant Breeders 1, Inc.	Y (3)		Poco	Y (3)	
Corniche	Western Plant Breeders, Inc.	Y (3)		Premier	Y (3)	
Duel	Sharpes International Seeds Limited	Y (3)		PROWASHONUPANA	Y (3)	Y
Efron	Busch Agricultural Resources, Inc.	Y (3)		Robust	Y (3)	
	Cebeco Zaden B.V.	Y (3)				

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
BARLEY							
Rollo	Utah Agricultural Experiment Station	Y (3)		Osmin	GHG Saaten		Y
Royal	Minnesota Agricultural Experiment Station	Y (3)		Purple Ruffles	W. Atlee Burpee Company		
Selway	Plant Breeders 1, Inc.	Y (3)		Sweet Dani	Purdue Research Foundation		Y
Semira	Svalof AB	Y (3)		BEAN, FIELD			
Seven	Plant Breeders 1, Inc.	Y (3)		Agassiz	Novartis Seeds, Inc.		
Spirit	D.J. van der Have B.V.	Y (3)		Agate	Novartis Seeds, Inc.		
Stander	Minnesota Agricultural Experiment Station	Y (3)		Agri-I	Agri Sales, Inc. and Gentec, Inc.	Y (2)	
Starling	Virginia Agricultural Experiment Station	Y (3)		Albion	National Seed Development Organization Ltd.		
Sunstar Double	Sunderman Breeding Inc.	Y (3)	Y	Alpine	Michigan State University	Y (2)	
Sunstar Prince	Sunderman Breeding Inc.	Y (3)		Amber	Novartis Seeds, Inc.		
Tambar 500	Texas Agricultural Experiment Station	Y (2)		Anchor	Seminis Vegetable Seeds, Inc.		
Teton	Agripro Seeds, Inc.	Y (3)		Apache	Idaho Seed Bean Company	Y (2)	Y
Triumph	Sharpes International Seed Ltd.	Y (3)		Arapaho	Colorado State University	Y (3)	
Virtue	Svalof AB	Y (3)		Auburn	Novartis Seeds, Inc.		
Walker	Utah Agricultural Experiment Station	Y (3)		Avanti	Seminis Vegetable Seeds, Inc.		
WestBred 501	Western Plant Breeders, Inc.	Y (*)		Aztec	Michigan State University	Y (2)	
WestBred Barcott	Western Plant Breeders, Inc.	Y (*)		Beryl	Novartis Seeds, Inc.		
WestBred Gustoe	Western Plant Breeders, Inc.	Y (*)		Bill Z	Colorado State University	Y (3)	
WestBred Medallion	Western Plant Breeders, Inc.	Y (*)		Blackhawk	Michigan State University	Y (2)	
WestBred Sprinter	Western Plant Breeders, Inc.	Y (*)		Blackjack	Gen-Tec Seeds, Limited	Y (2)	
WestBred Waxbar	Western Plant Breeders, Inc.	Y (*)		C-20	Michigan Agricultural Experiment Station	Y (1)	
Westford	Western Plant Breeders, Inc.	Y (*)		Camelot	Novartis Seeds, Inc.		
Winchester	Western Plant Breeders, Inc.	Y (*)		Chinook	Michigan State University	Y (2)	Y
BASIL				Cinnabar	Novartis Seeds, Inc.		
				Cran 09	Gentec, Inc.	Y (2)	
				Crestwood	Gentec, Inc.	Y (2)	
				D81126	Novartis Seeds, Inc.		
				D83043	Novartis Seeds, Inc.		
				Drake	Seminis Vegetable Seeds, Inc.		
				Ember	Novartis Seeds, Inc.		
				Enola	POD - NERS, L.L.C.	Y (2)	Y
				Etna	Seminis Vegetable Seeds, Inc.		

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
BEAN, FIELD				BEAN, FIELD			
Felspar	Novartis Seeds, Inc.			Schooner	Novartis Seeds, Inc.		
Fiesta Pinto	Leslie L. Dean	Y (2)		Sierra	Michigan State University	Y (2)	
Flint	Novartis Seeds, Inc.			Snowball	Wilbur-Ellis Company	Y (2)	
Foxfire	Novartis Seeds, Inc.			Spinel	Novartis Seeds, Inc.		
Garnet	Novartis Seeds, Inc.			Starlight	University of Nebraska	Y (3)	
Guardian	Novartis Seeds, Inc.				Agricultural Research		
Harris	Nebraska Agricultural	Y (3)			Division		
	Experiment Station				Seminis Vegetable Seeds,		
Hatton	NDSU Research Foundation,	Y (3)	Y	Stinger	Inc.		
	ND Agricultural				Novartis Seeds, Inc.		
	Experiment Station			Topaz	University of Idaho	Y (3)	
Horizon	Seminis Vegetable Seeds,			UI 137	University of Idaho	Y (3)	
	Inc.			UI 537	University of Idaho	Y (3)	
	Michigan State University			UI 686	University of Idaho	Y (3)	
Huron	Michigan State University	Y (2)		UI 722	University of Idaho	Y (3)	
Isles	Michigan State University			UI 906	University of Idaho	Y (3)	
Ivory	Novartis Seeds, Inc.			Vista	Gen-Tec Seeds, Limited	Y (2)	
Lark	Seminis Vegetable Seeds,			Wesland	Seminis Vegetable Seeds,	Y (2)	
	Inc.				Inc.		
Lassen	Agri Sales, Inc.	Y (3)		Zircon	Novartis Seeds, Inc.		
Marquis	Novartis Seeds, Inc.			BEAN, GARDEN			
Mayflower	Michigan State University	Y (2)		Acclaim			
Midland	Seminis Vegetable Seeds,						
	Inc.			Accord			
Newport	Michigan State University	Y (2)	Y				
Norstar	NDSU Research Foundation	Y (3)	Y	Allure			
Northland	Seminis Vegetable Seeds,						
	Inc.			Ambassador			
Opal	Novartis Seeds, Inc.			Amity	Novartis Seeds, Inc.		Y
Pilgrim	Wilbur-Ellis Company	Y (3)			van Waveren Pflanzenzucht		
Prize	Gen-Tec Seeds, Limited	Y (2)		Applause	GmbH.		
Pulsar	Wilbur-Ellis Company	Y (3)			Seminis Vegetable Seeds,		
Raven	Michigan State University	Y (2)		Atlantic	Inc.		
RNK 354	Novartis Seeds, Inc.				Seminis Vegetable Seeds,		
Rocket	Seminis Vegetable Seeds,			Axel	Inc.		
	Inc.			B169	Vilmorin, S.A.		
RS 101	Ronald D. and Leta L.	Y (2)			Seminis Vegetable Seeds,		
	Seacat				Inc.		
Santiago	Novartis Seeds, Inc.		Y	BBL 110	Novartis Seeds, Inc.		
Sapphire	Novartis Seeds, Inc.			BBL 156	Novartis Seeds, Inc.		
				Beeline	Harris Moran Seed Company		

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KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA	KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA
BEAN, GARDEN				BEAN, GARDEN			
Benton	Novartis Seeds, Inc.			DMC 06-01	Del Monte Corporation		
Biscayne	Seminis Vegetable Seeds, Inc.			DMC 06-23	Del Monte Corporation		Y
				DMC 06-26	Del Monte Corporation		
Blazer	Novartis Seeds, Inc.			DMC 06-39	Del Monte Corporation		
Blue Knight	Harris Moran Seed Company			DMC 08-01	Del Monte Corporation		
Blue Ridge	Harris Moran Seed Company			DMC 08-02	Del Monte Corporation		
Bluepak	Novartis Seeds, Inc.			DMC 08-47	Del Monte Corporation		
Bounty	Harris Moran Seed Company			DMC 08-52	Del Monte Corporation		
Brio	Seminis Vegetable Seeds, Inc.			Duchess	Novartis Seeds, Inc.		
				Early Sunray	Bakker Brothers of Idaho, Inc.		
Broker's Choice	Novartis Seeds, Inc.			Empress	Novartis Seeds, Inc.		
Bronco	Seminis Vegetable Seeds, Inc.			Endurance	Novartis Seeds, Inc.		
				Envy	Harris Moran Seed Company		Y
Burly	Novartis Seeds, Inc.			Epoch	Wilbur-Ellis Company		
Bush Kentucky Wonder 125	Novartis Seeds, Inc.			Espada	Harris Moran Seed Company		
Bush Romano 350	Novartis Seeds, Inc.			Eureka	Seminis Vegetable Seeds, Inc.		
Bush Romano 635	Novartis Seeds, Inc.			Evergreen	van Waveren Pflanzenzucht GmbH.		
Caesar	Harris Moran Seed Company			EZ Harvest	Novartis Seeds, Inc.		
Calgreen	Novartis Seeds, Inc.			EZ Pick	Novartis Seeds, Inc.		
Castel	Vilmorin, S.A.			Fesca	Nunza B.V.		
Celtic	Novartis Seeds, Inc.			Flamata	Royal Sluis B.V.		
Crest	Seminis Vegetable Seeds, Inc.			Flatbush	Harris Moran Seed Company		
				Flaveol	Royal Sluis B.V.		
				Flevoro	Seminis Vegetable Seeds, Inc.		
Crossville	Harris Moran Seed Company			Gentry	Novartis Seeds, Inc.		
Dandy	Novartis Seeds, Inc.		Y	Gold Mine	Seminis Vegetable Seeds, Inc.		
Derby	Harris Moran Seed Company						
DMC 04-01	Del Monte Corporation			Goldie	Novartis Seeds, Inc.		
DMC 04-02	Del Monte Corporation		Y	Goldkist	Novartis Seeds, Inc.		
DMC 04-04	Del Monte Corporation			Hialeah	Harris Moran Seed Company		
DMC 04-14	Del Monte Corporation			Homestyle	Seminis Vegetable Seeds, Inc.		
DMC 04-19	Del Monte Corporation						
DMC 04-33	Del Monte Corporation			Hystyle	Harris Moran Seed Company		Y
DMC 04-34	Del Monte Corporation			Igloo	Hague-Igloo Vegetable Seeds, Inc.		
DMC 04-59	Del Monte Corporation						
DMC 04-60	Del Monte Corporation						
DMC 04-61	Del Monte Corporation						
DMC 04-88	Del Monte Corporation						
DMC 04-94	Del Monte Corporation						

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(Through March 31, 2000)

KIND VARIETY	KIND	TITLE V (GEN.)	1994 PVP	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVP
BEAN, GARDEN	BEAN, GARDEN						
Impact	Seminis Vegetable Seeds, Inc.			Nickel	Vilmorin, S.A.		
Irina	van Waveren Pflanzenzucht GmbH.			Nomara	Royal Sluis B.V.		
Jade	Novartis Seeds, Inc.			Nugget	Harris Moran Seed Company		Y
Javelin	Har'is Moran Seed Company			Opus	Seminis Vegetable Seeds, Inc.		
Jumbo	Novartis Seeds, Inc.			Ovation	Royal Sluis B.V.		
Kentucky Blue	Novartis Seeds, Inc.			Pierre	Harris Moran Seed Company		
Label	Vilmorin, S.A.			Podsquad	Seminis Vegetable Seeds, Inc.		
Labrador	Seminis Vegetable Seeds, Inc.			Primo	Harris Moran Seed Company		
Latemar	Seminis Vegetable Seeds, Inc.			Producer	Harris Moran Seed Company		
Laureat	Seminis Vegetable Seeds, Inc.			Profit Maker	Novartis Seeds, Inc.		Y
Legion	Seminis Vegetable Seeds, Inc.			Prosperity	Harris Moran Seed Company		
Lodi	Seminis Vegetable Seeds, Inc.			Quest	Harris Moran Seed Company		Y
Lute	Royal Sluis B.V.			Rapids	Harris Moran Seed Company		
Magnum	Seminis Vegetable Seeds, Inc.			Rushmore	Harris Moran Seed Company		Y
Masai	Seminis Vegetable Seeds, Inc.			Satin	Seminis Vegetable Seeds, Inc.		
Matador	Novartis Seeds, Inc.	Y		Savor	Harris Moran Seed Company		
Mikado	Seminis Vegetable Seeds, Inc.			Score	Harris Moran Seed Company		
Milano	Novartis Seeds, Inc.			Sentry	Seminis Vegetable Seeds, Inc.		
Minidoka	Harris Moran Seed Company			Seville	Novartis Seeds, Inc.		
Minuette	Novartis Seeds, Inc.			Shamrock	Novartis Seeds, Inc.		
Mirada	Harris Moran Seed Company	Y		Shannon	Novartis Seeds, Inc.		
Miriad	Novartis Seeds, Inc.			Shore	Harris Moran Seed Company		
Modus	Harris Moran Seed Company	Y		Slenderella	Harris Moran Seed Company		
Monaco	Nunza B.V.	Y		Slenderwax	Novartis Seeds, Inc.		
Mustang	Holland-Select Research B.V.			Slinggym	Novartis Seeds, Inc.		
Nelson	Seminis Vegetable Seeds, Inc.			Soleil	Vilmorin, S.A.		Y
Nerina	Holland-Select Research B.V.			Sprout	Seminis Vegetable Seeds, Inc.		
	Royal Sluis B.V.			Stiletto	Harris Moran Seed Company		
				Summit	Novartis Seeds, Inc.		
				Sundial	Harris Moran Seed Company		
				Sunrae	Novartis Seeds, Inc.		
				Surfing	Mitsui Toatsu Chemicals, Inc.	Y (3)	
				Surfing F	Mitsui Toatsu Chemicals, Inc.	Y (3)	

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PLANT VARIETY PROTECTION CERTIFICATES
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KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA	KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA
BEAN, GARDEN Tanta Tema	Wilbur-Ellis Company Seminis Vegetable Seeds, Inc.			BENTGRASS, COLONIAL SR 7100	Seed Research of Oregon, Inc.		
Tempest Tenderlake Teseo Tess	Harris Moran Seed Company Harris Moran Seed Company Novartis Seeds, Inc. Seminis Vegetable Seeds, Inc.	Y		BENTGRASS, CREEPING 18th Green Cato	University of Manitoba Texas Agricultural Experiment Station	Y (2) Y (2)	Y
Toga Tornado Trend	Harris Moran Seed Company Harris Moran Seed Company Royal Sluis B.V.		Y	Cobra Crenshaw Lopez National Pennlinks	International Seeds, Inc. Texas A & M University Pro-Seeds Marketing, Inc. Pickseed West Inc.	Y (2)	Y
Trueblue Venture Vilbel Volare	Harris Moran Seed Company Novartis Seeds, Inc. Vilmorin, S.A. Seminis Vegetable Seeds, Inc.			ProCup Providence	Pennsylvania Agricultural Experiment Station Forbes Seed and Grain, Inc.	Y (1)	
Wax 216 Wax Romano 82264 Wrangler	Novartis Seeds, Inc. Novartis Seeds, Inc. Seminis Vegetable Seeds, Inc.			SOUTHSHORE SR 1020	University of Rhode Island Jacklin Seed Company Barenbrug USA - Marketing Division		
Yukon	Seminis Vegetable Seeds, Inc.				Lofts Seed Company, Inc. Seed Research of Oregon, Inc.		
BEAN, GARDEN SHELL Buttergreen	Seminis Vegetable Seeds, Inc.			BENTGRASS, RED TOP Barracuda BENTGRASS, VELVET SR 7200	Baker Seed Company	Y (2)	Y
BEAN, LIMA Maffei 15 Maffei 57	Agri Sales, Inc. L. D. Maffei Seed Company, Inc. Harris Moran Seed Company			BERMUDAGRASS Cheyenne Guymon	Seed Research of Oregon, Inc.		Y
Packers BEAN, MUNG Mungking I BEET, SUGAR NK-152	King Grain, Inc. Hokkaido National Agricultural Experiment Station			Lancaster NuMex SAHARA	J.R. Simplot Company Oklahoma Agricultural Experiment Station and USDA-ARS	Y (2)	Y
BENTGRASS, COLONIAL Grasslands Egmont	Grasslands Division / New Zealand DSIR	Y (1)		Primavera Sonesta Sundevil BLUEGRASS, ANNUAL	Max W. Lancaster New Mexico Crop Improvement Association Seeds West, Inc. Seeds West, Inc. J.R. Simplot Company	Y (3)	Y

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
<MN184>	Regents of the University of Minnesota		Y	BLUEGRASS, KENTUCKY Ikone	L. C. Nungesser K.G., West Germany		1994 PVPA
MN117	Regents of the University of Minnesota		Y	Indigo	Pickseed West Inc.		
MN42	Regents of the University of Minnesota		Y	Julia Liberty Limousine	Van Engelen Zaden B.V. Jacklin Seed Company Deutsche Saatveredelung Lippstadt - Bremen GmbH	Y (2)	
BLUEGRASS, KENTUCKY							
A82-208	Pure-Seed Testing, Inc.			Livingston	Pure-Seed Testing, Inc.		
A83-865	Pure-Seed Testing, Inc.			Lofts 1757	Pure-Seed Testing, Inc.		
Able I	Pure-Seed Testing, Inc.	Y (2)		Midnight	Lofts Seed Company, Inc.	Y (3)	
Alene	Idaho Agricultural Experiment Station			Minstrel	Pure-Seed Testing, Inc.		
Alpine	Pickseed West Inc.			Mystic	D.J. van der Have B.V.		
Amazon	Svalof AB			Nassau	Lofts Seed Company, Inc.	Y (2)	
Ampellia	Cebeco Zaden B.V.	Y (3)			Lofts Seed Company, Inc.		
Apex	W. Weibull AB			NuBlue	Lofts Seed Company, Inc.		
Aspen	NK Lawn and Garden Company			NuStar	and Jacklin Seed Company Jacklin Seed Company		
Asset	D.J. van der Have B.V.			Opal	J.R. Simplot Company	Y (3)	
Barblue	Barenbrug Holland B.V.	Y (3)		Preakness	W. Weibull AB		Y
Barsweet	Barenbrug Holland B.V.	Y (3)		Ronde	Lofts Seed Company, Inc.	Y (2)	
Bartitia	Barenbrug Holding			Shamrock	Idaho Agricultural Experiment Station		Y
Blacksburg	Pure-Seed Testing, Inc.			SR 2000	LESCO Inc.		
Blue Star	Pure-Seed Testing, Inc.				Seed Research of Oregon, Inc.		
Bronco	Pickseed West Inc.			SR 2100	Seed Research of Oregon, Inc.		Y
Challenger	Pure-Seed Testing, Inc.			Suffolk	Lofts Seed Company, Inc.		
Classic	Jacklin Seed Company			Trenton	& Jacklin Seed Company NK Lawn and Garden Company		
Cocktail	Advanta BV			Unique	Pure-Seed Testing, Inc.		
Cynthia	Advanta BV			Washington	Jonathan Green and Sons, Inc. and Cascade International Seed Company		
Dawn	Jacklin Seed Company						
Destiny	Jacklin Seed Company						
Freedom	Jacklin Seed Company	Y (2)					
Gemar	Idaho Agricultural Experiment Station						
Georgetown	Lofts Seed Company, Inc.	Y (2)		BLUEGRASS, ROUGH			
Ginger	Idaho Agricultural Experiment Station			Colt	Pure-Seed Testing, Inc.		
Greenley	Idaho Agricultural Experiment Station	Y (2)		Darkhorse	Pickseed West Inc.		Y
Huntsville	Experiment Station Jacklin Seed Company			Laser Polder	Lofts Seed Company, Inc. Mommersteeg International B.V.		

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KIND	VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)
BLUEGRASS, ROUGH Winterplay		Pure-Seed Testing, Inc.		Y	BUFFALOGRASS Bison	Oklahoma Agricultural Experiment Station and USDA-ARS	Y (2)
BLUEGRASS, SUPINA Supranova		Saatzucht Steinach GmbH.			Topgun	Bamert Seed Company	
BLUESTEM, BIG Niagara		Research Corporation	Y (2)		Turfmaster	Bamert Seed Company	
		Technologies, Inc. and USDA-ARS			UOHL-1	The Regents of the University of California	Y (3)
BROCCOLI Independence		Scattini Seeds, Inc.			CALENDULA Orange Gitana	Zaadteelt en Zaadhandel Hem B.V.	
R&D-HTF1		R & D AG, INC.		Y	CARROT		
BROCCOLI (F1)					Texas Gold Spike	Texas Agricultural Experiment Station	
Decathlon		Sakata Seed Corporation		Y	CAULIFLOWER		
Monterey		Sakata Seed Corporation		Y	Alverda	Sunglow and Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
Nomad		Sakata Seed Corporation		Y			
Triathlon							
BROCCOLI RAAB D'Arrigo 130		D'Arrigo Brothers Company of California		Y	Andes	Royal Sluis B.V.	Y (*)
D'Arrigo 63		D'Arrigo Brothers Company of California		Y	Aspen	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
D'Arrigo No. 502		D'Arrigo Brothers Company of California			Blizzard	Novartis Seeds, Inc.	
D'Arrigo No. 905		D'Arrigo Brothers Company of California			Blue Diamond	Harris Moran Seed Company	
					Campoverde	Sunglow and Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
BROME, SHORT Vineyard and Orchard (V&O) - Type One		Craig Carlton Dremann & Susan Jo Dremann dba Redwood City Seed Company		Y	Cervina K-TEE Minaret	Royal Sluis B.V. Tanimura and Antle, Inc. Sunglow and Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
BROMEGRASS, SMOOTH Badger		Agrecol Corporation			Ostrea	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
BROMEGRASS, SWEET Deborah		L. Daehnfeldt, Inc.			Senator	Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
BROMEGRASS, THREADY Grasslands Gala		Pyne Gould Guinness Ltd. and New Zealand Pastoral Agriculture Research Institute Ltd.		Y	SG 111 Silver Stream	Sluis and Groot Research Rijk Zwaan Zaadteelt en Zaadhandel B.V.	
BUCKWHEAT Winsor Royal		Winsor Grain, Inc.			Snowcone Triton	Harris Moran Seed Company Rijk Zwaan Zaadteelt en Zaadhandel B.V.	

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
CAULIFLOWER				CLOVER, BERSEEM			
Vernon	Royal Sluis B.V.			Bigbee	Mississippi Agricultural and Forestry Experiment Station and USDA-ARS		
White Fox	Sluis and Groot Research						
White Rock	Sluis and Groot Research						
White Satin	Sluis and Groot Research						
White Summer	Sluis and Groot Research						
CELERY				CLOVER, CAUCASIAN			
Bishop	Harris Moran Seed Company			Endura	Wrightson Seeds Limited	Y (*)	
Deacon	Harris Moran Seed Company			CLOVER, CRIMSON			
Gene's Gem 11-7	A. Duda and Sons, Inc.			AU Robin	Alabama Agricultural Experiment Station		Y
Hercules	Harris Moran Seed Company			Flame	Florida Agricultural Experiment Station	Y (3)	
Hill's Special	A. Duda and Sons, Inc.						
James Abe	Bud Antle, Inc.			Y CLOVER, RED			
Matador	Pybas Vegetable Seed Company, Inc.			Cherokee	Agricultural Experiment Station University of Florida		Y
Napolean	Bud Antle, Inc.						
Peto 285	Seminis Vegetable Seeds, Inc.			Redland II	Lathrop & Gage L.C.		
				Renegade	International Seeds, Inc.		
Promise	The Regents of the	Y (3)		Ruby	Dairyland Seed Company, Inc.	Y (2)	
	University of California						
Rocket	Royal Sluis, Koninklijke			Scarlett	Dairyland Seed Company, Inc.		Y
	Zaaizaadbedrijven						
SV 1	Gebroeders Sluis, B.V.			CLOVER, STRAWBERRY			
T & A Pride	Seaview Growers, Inc.			Fresa	New Mexico Crop Improvement Association	Y (3)	
T&A EXP 108	Tanimura and Antle, Inc.						
T&A EXP 340	Tanimura & Antle, Inc.		Y	CLOVER, WHITE			
	Tanimura & Antle, Inc.		Y	Aran	Germinal Holdings Ltd., U.K.		
T&A Special 109A	Tanimura & Antle, Inc.		Y	Legendary Good Luck	Agricultural Experiment Station, University of Florida		Y
T&A Special Celery	Tanimura and Antle, Inc.						
-1							
Ventura	Harris Moran Seed Company			Mineooha	Tohoku National	Y (1)	Y
CHICKPEA					Agricultural Experiment Station, Ministry of Agriculture, Forestry and Fisheries		
HB-14	Helm Bean & Seed, a subsidiary of ConAgra Conagra Inc.	Y (*)	Y				
Stan							
CHICORY	Grasslands Division / New Zealand DSIR	Y (3)		Star	Idaho Agricultural Experiment Station	Y (2)	
Grasslands Puna				Will	North Carolina	Y (3)	
CHRYSANTHEMUM					Agricultural Research Service and USDA-ARS		
Santana	Dr. E. Sahin	Y (*)					

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
COREOPSIS, PERENNIAL Early Sunrise	W. Atlee Burpee Company			CORN, FIELD	Novartis Seeds, Inc.		
CORN, FIELD				740	Novartis Seeds, Inc.		
01CSI2	DEKALB Genetics Corporation		Y	764	Novartis Seeds, Inc.		
01DFA3	DEKALB Genetics Corporation		Y	778	Novartis Seeds, Inc.		
01DIB2	DEKALB Genetics Corporation		Y	779	Novartis Seeds, Inc.		
01IBH10	DEKALB Genetics Corporation		Y	78002A	DeKalb-Pfizer Genetics		
01IZB2	DEKALB Genetics Corporation		Y	78004	DeKalb-Pfizer Genetics		
11430	Cargill, Inc.			78010	DeKalb-Pfizer Genetics		
1538	United AgriSeeds, Inc.			78371A	DeKalb-Pfizer Genetics		
207	Pioneer Hi-Bred International, Inc.			78551S	DEKALB Plant Genetics		
2369	Cargill, Inc.			787	Novartis Seeds, Inc.		
29MIBZ2	DEKALB Plant Genetics			790	Novartis Seeds, Inc.		
2FACC	DEKALB Plant Genetics			793	Novartis Seeds, Inc.		
2FADB	DEKALB Plant Genetics			794	Novartis Seeds, Inc.		
2FADBSR	DEKALB Genetics Corporation		Y	807	Novartis Seeds, Inc.		
2MA22	DeKalb-Pfizer Genetics			83IBI3	DEKALB Plant Genetics		Y
2MCDB	DEKALB Plant Genetics			84BRQ4	DEKALB Genetics Corporation		Y
3AZA1	DEKALB Genetics Corporation		Y	84QAB1	DEKALB Genetics Corporation		Y
3IBZ2	DEKALB Plant Genetics			85CSO1	DEKALB Genetics Corporation		Y
3IIH6	DEKALB Plant Genetics			87916W	DeKalb-Pfizer Genetics		
3IJI1	DEKALB Plant Genetics			899	Novartis Seeds, Inc.		
4676A	DeKalb-Pfizer Genetics			8F196	DEKALB Genetics Corporation		Y
4N506	Funk Seeds International, Inc.		Y	8M116	DEKALB Genetics Corporation		Y
5707	Asgrow Seed Company			8M129	DEKALB Plant Genetics		
6103	Asgrow Seed Company			901	Novartis Seeds, Inc.		
6F545	DEKALB Genetics Corporation		Y	904	Novartis Seeds, Inc.		
6F629	DEKALB Plant Genetics			907	Novartis Seeds, Inc.		
6M502	DeKalb-Pfizer Genetics			911	Novartis Seeds, Inc.		
6M502A	DEKALB Plant Genetics			912	Novartis Seeds, Inc.		
				91BMA2	DEKALB Genetics Corporation		Y
				91BMA2SR	DEKALB Genetics Corporation		Y
				91IFC2	DEKALB Plant Genetics		
				942	Novartis Seeds, Inc.		Y

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KIND	VARIETY	KIND	VARIETY	TITLE V (GEN.)	1994 PVPA	TITLE V (GEN.)	1994 PVPA
				APPLICANT		APPLICANT	
CORN, FIELD		CORN, FIELD					
948		Y	FBPL	Novartis Seeds, Inc.	Y	DEKALB Genetics Corporation	Y
982		Y		Novartis Seeds, Inc.	Y	DEKALB Genetics Corporation	Y
993		Y	FBPN	Novartis Seeds, Inc.	Y	DEKALB Genetics Corporation	Y
AM0776				MAISADOUR			
AQA3				DEKALB Plant Genetics			
B09			G35	Pioneer Hi-Bred International, Inc.		Pioneer Hi-Bred International, Inc.	
B47			G39	Pioneer Hi-Bred International, Inc.		Pioneer Hi-Bred International, Inc.	
BCC03			G50	Novartis Seeds, Inc.		Pioneer Hi-Bred International, Inc.	
CL614			G80	DowElanco	Y	Pioneer Hi-Bred International, Inc.	
CQ702rc				United AgriSeeds, Inc.		Novartis Seeds, Inc.	
CQ715		Y	H8431	DowElanco	Y	DEKALB Plant Genetics	
CQ806		Y	HB8229	United AgriSeeds, Inc.	Y	DeKalb-Pfizer Genetics	
CR14			HBA1	J.C. Robinson Seed Company		DEKALB Plant Genetics	
CR1HT			IBB14	J.C. Robinson Seed Company		DeKalb-Pfizer Genetics	
CS405			IBB15	United AgriSeeds, Inc.		DEKALB Genetics Corporation	Y
CS608			IBC2	United AgriSeeds, Inc.		DeKalb-Pfizer Genetics	
DJ7			IBH9	Edward J. Funk & Sons, Inc.		DEKALB Genetics Corporation	
E8501			IBO14	Novartis Seeds, Inc.		DeKalb-Pfizer Genetics	
F118			IBO2	DEKALB Plant Genetics		DeKalb-Pfizer Genetics	
F274		Y	ICI 441	DEKALB Genetics Corporation	Y	ZENECA Ltd.	
F298W		Y	ICI 740	DEKALB Genetics Corporation	Y	Zenco (No. 4) Limited	
F42			ICI 893	DEKALB Genetics Corporation		Zenco (No. 4) Limited	
FAPW			ICI 986	DEKALB Genetics Corporation		ZENECA Ltd.	
FBHJ			ICI581	DEKALB Genetics Corporation		Zenco (No. 4) Limited	
FBLA			J8606	FFR Cooperative		Zenco (No. 4) Limited	Y
FBLASR			KW7691	DeKalb-Pfizer Genetics		Novartis Seeds, Inc.	
FBL			L 127	DeKalb-Pfizer Genetics		Kleinwanzlebener	
FBLLSR		Y	L 135	DeKalb-Pfizer Genetics		Saatzucht AG	
FBLWX		Y	L 139	DEKALB Plant Genetics Corporation		Lifaco Seed Corporation	
			L 155	DEKALB Genetics Corporation		Lifaco Seed Corporation	
			L163	DEKALB Genetics Corporation		Lifaco Seed Corporation	
			L222	DEKALB Genetics Corporation		Limagrain Genetics Corp.	
			LH119	DEKALB Genetics Corporation	Y	Limagrain Genetics Corp.	
				DEKALB Genetics Corporation		Limagrain Genetics Corp.	
				DEKALB Genetics Corporation		Holden's Foundation	
				DEKALB Genetics Corporation		Seeds, Inc.	

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	KIND VARIETY	TITLE V 1994 (GEN.)	PVPA	TITLE V 1994 (GEN.)	APPLICANT	APPLICANT	TITLE V 1994 (GEN.)	PVPA
CORN, FIELD LH123HT	CORN, FIELD LH172				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH127	LH175				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH128	LH176				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.	Y	
LH132	LH177				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.	Y	
LH143	LH178				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.	Y	
LH145	LH179				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.	Y	
LH146Ht	LH181				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH149	LH183				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH150	LH184				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH156	LH185				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH159	LH186				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH160	LH188				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH162	LH189Ht				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH163	LH190				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH164	LH191				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH165	LH192				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH166	LH193				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH167	LH194				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH168	LH195				Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		
LH169Ht	LH196		Y		Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.		

(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	TITLE V 1994		KIND VARIETY	TITLE V 1994	
	APPLICANT	APPLICANT	(GEN.)	PVPA	(GEN.)
CORN, FIELD	LH197	Holden's Foundation Seeds, Inc.	CORN, FIELD LH220Ht	Holden's Foundation Seeds, Inc.	
	LH198	Holden's Foundation Seeds, Inc.	LH222	Holden's Foundation Seeds, Inc.	
	LH199	Holden's Foundation Seeds, Inc.	LH223	Holden's Foundation Seeds, Inc.	
	LH200	Holden's Foundation Seeds, Inc.	LH224	Holden's Foundation Seeds, Inc.	
	LH202	Holden's Foundation Seeds, Inc.	LH225	Holden's Foundation Seeds, Inc.	
	LH204	Holden's Foundation Seeds, Inc.	LH226Ht	Holden's Foundation Seeds, Inc.	Y
	LH205	Holden's Foundation Seeds, Inc.	LH227	Holden's Foundation Seeds, Inc.	Y
	LH206	Holden's Foundation Seeds, Inc.	LH228	Holden's Foundation Seeds, Inc.	Y
	LH208	Holden's Foundation Seeds, Inc.	LH231	Holden's Foundation Seeds, Inc.	
	LH209	Holden's Foundation Seeds, Inc.	LH233	Holden's Foundation Seeds, Inc.	Y
	LH210	Holden's Foundation Seeds, Inc.	LH234	Holden's Foundation Seeds, Inc.	Y
	LH211	Holden's Foundation Seeds, Inc.	LH235	Holden's Foundation Seeds, Inc.	Y
	LH212Ht	Holden's Foundation Seeds, Inc.	LH236	Holden's Foundation Seeds, Inc.	Y
	LH213	Holden's Foundation Seeds, Inc.	LH242	Holden's Foundation Seeds, Inc.	Y
	LH214	Holden's Foundation Seeds, Inc.	LH250	Holden's Foundation Seeds, Inc.	
	LH215	Holden's Foundation Seeds, Inc.	LH252	Holden's Foundation Seeds, Inc.	
	LH216	Holden's Foundation Seeds, Inc.	LH260	Holden's Foundation Seeds, Inc.	
	LH217	Holden's Foundation Seeds, Inc.	LH262	Holden's Foundation Seeds, Inc.	Y
	LH218	Holden's Foundation Seeds, Inc.	LH263	Holden's Foundation Seeds, Inc.	Y
LH219	Holden's Foundation Seeds, Inc.	Holden's Foundation Seeds, Inc.	LH271	Holden's Foundation Seeds, Inc.	Y

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND	KIND	TITLE V 1994	TITLE V 1994	TITLE V 1994
VARIETY	VARIETY	(GEN.)	(GEN.)	(GEN.)
	APPLICANT	PVPA	PVPA	PVPA
CORN, FIELD	CORN, FIELD			
LH280	Holden's Foundation Seeds, Inc.	Y		DeKalb-Pfizer Genetics
LH281	Holden's Foundation Seeds, Inc.	Y		DeKalb-Pfizer Genetics
LH283	Holden's Foundation Seeds, Inc.	Y		DEKALB Plant Genetics
LH290	Holden's Foundation Seeds, Inc.	Y		DeKalb-Pfizer Genetics
LH291	Holden's Foundation Seeds, Inc.	Y		DEKALB Plant Genetics
LH39	Iowa State University Research Foundation			DEKALB Genetics
LH51	Holden's Foundation Seeds, Inc.			Corporation
LH52	Holden's Foundation Seeds, Inc.			DEKALB Genetics
LH54	Holden's Foundation Seeds, Inc.			Corporation
LH57	Holden's Foundation Seeds, Inc.			DeKalb-Pfizer Genetics
LH59	Holden's Foundation Seeds, Inc.			United AgriSeeds, Inc.
LH60	Holden's Foundation Seeds, Inc.			DEKALB Plant Genetics
LH61	Holden's Foundation Seeds, Inc.			DEKALB Plant Genetics
LH65	Holden's Foundation Seeds, Inc.			United AgriSeeds, Inc.
LH74	Holden's Foundation Seeds, Inc.			United AgriSeeds, Inc.
LH82	Holden's Foundation Seeds, Inc.			NDSU Research Foundation
LH85	Holden's Foundation Seeds, Inc.			NDSU Research Foundation
LH93	Holden's Foundation Seeds, Inc.			DEKALB Plant Genetics
LIBC4	DEKALB Plant Genetics			Novartis Seeds, Inc.
Lp215D	Wilson Hybrids, Inc.			United AgriSeeds, Inc.
Lp5	Clays Semences			United AgriSeeds, Inc.

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND	TITLE V	1994	KIND	TITLE V	1994
VARIETY	(GEN.)	PVPA	VARIETY	(GEN.)	PVPA
APPLICANT	APPLICANT		APPLICANT	APPLICANT	
CORN, FIELD			CORN, FIELD		
PH20A		Y	PHAP9	Pioneer Hi-Bred International, Inc.	Y
PH24E		Y	PHAW6	Pioneer Hi-Bred International, Inc.	
PH25A		Y	PHBA6	Pioneer Hi-Bred International, Inc.	
PH37C		Y	PHBB3	Pioneer Hi-Bred International, Inc.	
PH38B		Y	PHBE2	Pioneer Hi-Bred International, Inc.	Y
PH41E		Y	PHBF0	Pioneer Hi-Bred International, Inc.	Y
PH42B		Y	PHBG4	Pioneer Hi-Bred International, Inc.	Y
PH44A		Y	PHBR2	Pioneer Hi-Bred International, Inc.	Y
PH47A		Y	PHBV8	Pioneer Hi-Bred International, Inc.	Y
PH54B		Y	PHBW8	Pioneer Hi-Bred International, Inc.	
PH56C		Y	PHDD6	Pioneer Hi-Bred International, Inc.	
PH63A		Y	PHDP0	Pioneer Hi-Bred International, Inc.	Y
PH63B		Y	PHEG9	Pioneer Hi-Bred International, Inc.	
PH67A		Y	PHEI4SR	DEKALB Genetics Corporation	Y
PH80B		Y	PHEM7	Pioneer Hi-Bred International, Inc.	
PHAA0			PHEM9	Pioneer Hi-Bred International, Inc.	
PHAG6		Y	PHEW7	Pioneer Hi-Bred International, Inc.	
PHAJ0		Y	PHFA5	Pioneer Hi-Bred International, Inc.	
PHAP1		Y	PHFW4	Pioneer Hi-Bred International, Inc.	Y
PHAP8		Y	PHG29	Pioneer Hi-Bred International, Inc.	

(*) No limit to the number of generations of certified seed beyond breeders seed.

TITLE V (GEN.)	1994 PVPA
1. General Provisions	
2. Definitions	
3. Purpose and Scope	
4. Administration	
5. Enforcement	
6. Miscellaneous	

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(*) No limit to the number of generations of certified seed beyond breeders seed.

PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
CORN, FIELD				CORN, FIELD			
PHM57	Pioneer Hi-Bred International, Inc.			PHP60	Pioneer Hi-Bred International, Inc.		
PHM81	Pioneer Hi-Bred International, Inc.			PHP76	Pioneer Hi-Bred International, Inc.		
PHMK0	Pioneer Hi-Bred International, Inc.			PHP85	Pioneer Hi-Bred International, Inc.		
PHN11	Pioneer Hi-Bred International, Inc.			PHPM0	Pioneer Hi-Bred International, Inc.		Y
PHN18	Pioneer Hi-Bred International, Inc.			PHPP8	Pioneer Hi-Bred International, Inc.		Y
PHN29	Pioneer Hi-Bred International, Inc.			PHPR5	Pioneer Hi-Bred International, Inc.		
PHN34	Pioneer Hi-Bred International, Inc.			PHR03	Pioneer Hi-Bred International, Inc.		
PHN37	Pioneer Hi-Bred International, Inc.			PHR25	Pioneer Hi-Bred International, Inc.		
PHN41	Pioneer Hi-Bred International, Inc.			PHR30	Pioneer Hi-Bred International, Inc.		
PHN46	Pioneer Hi-Bred International, Inc.			PHR31	Pioneer Hi-Bred International, Inc.		
PHN47	Pioneer Hi-Bred International, Inc.			PHR32	Pioneer Hi-Bred International, Inc.		
PHN66	Pioneer Hi-Bred International, Inc.			PHR36	Pioneer Hi-Bred International, Inc.		
PHN73	Pioneer Hi-Bred International, Inc.			PHR47	Pioneer Hi-Bred International, Inc.		
PHN82	Pioneer Hi-Bred International, Inc.			PHR55	Pioneer Hi-Bred International, Inc.		
PHNB7	Pioneer Hi-Bred International, Inc.		Y	PHR58	Pioneer Hi-Bred International, Inc.		
PHND1	Pioneer Hi-Bred International, Inc.		Y	PHR61	Pioneer Hi-Bred International, Inc.		
PHNJ2	Pioneer Hi-Bred International, Inc.		Y	PHR62	Pioneer Hi-Bred International, Inc.		
PHP02	Pioneer Hi-Bred International, Inc.			PHR63	Pioneer Hi-Bred International, Inc.		
PHP38	Pioneer Hi-Bred International, Inc.			PHRD6	Pioneer Hi-Bred International, Inc.		
PHP55	Pioneer Hi-Bred International, Inc.			PHRE1	Pioneer Hi-Bred International, Inc.		

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND	TITLE V 1994	KIND	TITLE V 1994	APPLICANT	TITLE V 1994
VARIETY	(GEN.)	VARIETY	(GEN.)		PVPA
CORN, FIELD		CORN, FIELD			
PHRF5		Y PHV63		Pioneer Hi-Bred International, Inc.	
PHT10		PHV78		Pioneer Hi-Bred International, Inc.	
PHT11		PHVA9		Pioneer Hi-Bred International, Inc.	
PHT22		PHVB2		Pioneer Hi-Bred International, Inc.	Y
PHT47		PHVJ4		Pioneer Hi-Bred International, Inc.	
PHT55		PHVJ5		Pioneer Hi-Bred International, Inc.	Y
PHT60		PHW03		Pioneer Hi-Bred International, Inc.	
PHT69		PHW06		Pioneer Hi-Bred International, Inc.	
PHT73		PHW17		Pioneer Hi-Bred International, Inc.	
PHT77		PHW20		Pioneer Hi-Bred International, Inc.	
PHTD5		PHW30		Pioneer Hi-Bred International, Inc.	
PHTE4		PHW43		Pioneer Hi-Bred International, Inc.	
PHTE7		PHW51	Y	Pioneer Hi-Bred International, Inc.	
PHTM9		PHW52		Pioneer Hi-Bred International, Inc.	
PHTP9		PHW53	Y	Pioneer Hi-Bred International, Inc.	
PHTV7		PHW61	Y	Pioneer Hi-Bred International, Inc.	Y
PHV07		PHW65		Pioneer Hi-Bred International, Inc.	
PHV37		PHW79		Pioneer Hi-Bred International, Inc.	
PHV53		PHW80		Pioneer Hi-Bred International, Inc.	
PHV57		PHW86		Pioneer Hi-Bred International, Inc.	

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	TITLE V (GEN.)	1994 PVPA
CORN, FIELD PHWG5	Pioneer Hi-Bred International, Inc.			CORN, FIELD WKBC5	DEKALB Genetics Corporation	Y
PHWT1	Pioneer Hi-Bred International, Inc.		Y	WQCD10	DEKALB Genetics Corporation	Y
PHZ51	Pioneer Hi-Bred International, Inc.			ZS01101	Garst Seed Company	Y
Q381	Quality Research Associates			ZS01131	Garst Seed Company	Y
RQAA8	DEKALB Genetics Corporation		Y	ZS01114	Zenco (No. 4) Limited	Y
RS710	Rustica Semences			ZS01228	Garst Seed Company	Y
S8324	Novartis Seeds, Inc.			ZS01459	Garst Seed Company	Y
S8326	Novartis Seeds, Inc.			ZS0510	Zenco (No. 4) Limited	Y
SNBM	DEKALB Genetics Corporation		Y	ZS0541	Zenco (No. 4) Limited	Y
SX-4-16-2	The Standard Oil Company			ZS0560	Zenco (No. 4) Limited	Y
SX-4-2	The Standard Oil Company			ZS1022	Zenco (No. 4) Limited	Y
SX-4-21	The Standard Oil Company			ZS1202	Zenco (No. 4) Limited	Y
SX-4-32-1	The Standard Oil Company			ZS1284	Zenco (No. 4) Limited	Y
SX-4-33-4-2	The Standard Oil Company			ZS1513	Zenco (No. 4) Limited	Y
SX-4-4	The Standard Oil Company			ZS1679	Zenco (No. 4) Limited	Y
SX-4-5	The Standard Oil Company			ZS1783	Zenco (No. 4) Limited	Y
SX-5-11	The Standard Oil Company			ZS1791	Zenco (No. 4) Limited	Y
SX-5-13-3	The Standard Oil Company			ZS365	Zenco (No. 4) Limited	Y
SX-5-14-1-2	The Standard Oil Company			ZS635	Zenco (No. 4) Limited	Y
SX-5-6	The Standard Oil Company					
SX-5-9-1-2	The Standard Oil Company			CORN, POPCORN		
SX-6-10	The Standard Oil Company			583-2	B. Keith Heuermann	Y (2)
SX-6-15-2-1	The Standard Oil Company			Big Red	Frank Holland	Y (3)
SX-6-3	The Standard Oil Company			Black Jewell 85	Black Jewell Popcorn, Inc.	
SX-6-7	The Standard Oil Company			Laser	Larry and Lucyle Eckler	
W8304	Novartis Seeds, Inc.			CORN, SWEET (F1)		
W8555	Novartis Seeds, Inc.			#781 Ultra	Abbott & Cobb, Inc.	Y
WDAD1	DEKALB Genetics Corporation			COTTON		
WIL500	Wilson Hybrids, Inc.			7563	Delta and Pine Land Company	
WIL900	Wilson Hybrids, Inc.			Acala BR-110	Ronald D. Thorp	Y (3)
WIL901	Wilson Hybrids, Inc.		Y	Acala BR-115	Ronald D. Thorp	Y (3)
WIL903	Wilson Hybrids, Inc.			Acala BR-636	Stoneville Pedigreed Seed Company, Inc.	
				Acala Maxxa	California Planting	Y (*)
				Acala Prema	Cotton Seed Distributors	Y (*)
					California Planting	Y (*)
					Cotton Seed Distributors	

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
COTTON				COTTON			
Acala Royale	California Planting Cotton Seed Distributors	Y (*)		Deltapine 69	Delta and Pine Land Company	Y (3)	
All-Tex Atlas	All-Tex Seed Inc.			Deltapine 77	Delta and Pine Land Company		
All-Tex Excess	All-Tex Seed Inc.						
All-Tex Max-9	Levelland Delinting, Inc.			Deltapine Acala 90	Delta and Pine Land Company		
Arkot 518	Arkansas Agricultural Experiment Station	Y (3)		Deltapine NSL	Delta and Pine Land Company		
Bronco 360	Bronco Seed Company						
Bronco 414	Bronco Seed Company		Y	Deltapine SR-383	SeedCo Corporation		
Bronco 625	Bronco Seed Company			Deltapine SR-482	SeedCo Corporation		
Buffalo	Sally Vreseis Fox	Y (*)	Y	DES 119	Mississippi Agricultural and Forestry Experiment Station and USDA-ARS	Y (3)	
Cascot C-13	Custom Ag Service Inc.						
CH252	Chaney Ranch Research			DES 422	Mississippi Agricultural and Forestry Experiment Station	Y (3)	
CH253	Chaney Ranch Research						
Coker 130	Stoneville Pedigreed Seed Company, Inc.						
Coker 139	Stoneville Pedigreed Seed Company, Inc.	Y (3)		DP 5409	Delta and Pine Land Company		
Coker 208	Stoneville Pedigreed Seed Company, Inc.	Y (3)		DP 5415	Delta and Pine Land Company		
Coker 320	Stoneville Pedigreed Seed Company, Inc.			DP 5432	Delta and Pine Land Company		Y
Coker 4360	SeedCo Corporation	Y (3)		DP 5461	Delta and Pine Land Company		
Coker 500	SeedCo Corporation						
Conquistador	Olvey and Associates, Inc.		Y	DP 5614	Delta and Pine Land Company		
Coyote	Sally Vreseis Fox						
Delcot 344	Curators of the University of Missouri	Y (3)		DP 5681	Delta and Pine Land Company		
Deltapine 20	Delta and Pine Land Company			DP 5690	Delta and Pine Land Company		
Deltapine 30	Delta and Pine Land Company			DP 5816	Delta and Pine Land Company		
Deltapine 50	Delta and Pine Land Company			DP 6100 ACALA	Delta and Pine Land Company		Y
Deltapine 51	Delta and Pine Land Company			DP 6166 Acala	Delta and Pine Land Company		
Deltapine 62	Delta and Pine Land Company			Dunn 1002	Dunn Seed Farms, Inc.		
				Dunn 1047	Dunn Seed Farms, Inc.		
				Dunn 109	Dunn Seed Farms, Inc.		

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
COTTON				COTTON			
Dunn 325	Dunn Seed Farms, Inc.			GSC 30	The Lubrizol Corporation		
Dunn 400	Dunn Seed Farms, Inc.			GSC 71+	The Lubrizol Corporation		
Dunn HS 120	Dunn Seed Farms, Inc.			HS 23	Seed Source, Inc.		
Gavilan	Seed Source, Inc.		Y	HS Salcot 10	HyPerformer Seed Company		
Georgia King	University of Georgia			HS-44	HyPerformer Seed Company		
	Research Foundation, Inc.			HS-46	Helena Chemical Company,		
Germain's Acala	C. Harvey Campbell, Jr.;	Y (3)			dba HyPerformer Seed		
GC-352	David L. West; Kenneth L.				Company		
	Puryear; H. P. Anderson,			HY 39	Complejo Asgrow Semillas,		
	III				S.L.		
Germain's Acala	Germain's Cotton Seeds,	Y (3)		KC 380	Stoneville Pedigreed Seed		
GC-356	Inc.				Company, Inc.		
Germain's Acala	Germain's Cotton Seeds,	Y (*)		KC311	Stoneville Pedigreed Seed		
GC-362	Inc.				Company, Inc.		
Germain's Acala	Germain's Cotton Seeds,	Y (*)		Kings Acala M5	V. T. Walhood and	Y (1)	
GC-363	Inc.				Westlake Farms, Inc.		
Germain's Acala	Germain's Cotton Seeds,	Y (3)		LA 887	Louisiana Agricultural		
GC-410	Inc.				Experiment Station		
Germain's Acala	Germain's Cotton Seeds,	Y (*)		Lambright 2020	J. H. Lambright	Y (3)	
GC-445	Inc.			Lankart 142	Delta and Pine Land	Y (3)	
Germain's Acala	Germain's Cotton Seeds,	Y (*)			Company		
GC-510	Inc.			Lankart 175	Delta and Pine Land		
Germain's Acala	Germain's Cotton Seeds,	Y (*)			Company		
GC-555	Inc.			Lankart 311	Delta and Pine Land		
Germain's Acala	Germain's Seeds, Inc.	Y (3)	Y		Company		
GC-610				Lankart 511	Delta and Pine Land		
Germain's Acala	Germain's Cotton Seeds,	Y (3)			Company		
GC-702	Inc.			NuCOTN 33B	Delta and Pine Land		Y
Germain's GC-210	Germain's Seeds, Inc.	Y (3)	Y		Company		
GP 1005	G&P Seed Company, Inc.	Y (3)		NuCOTN 35B	Delta and Pine Land		Y
GP 5479	G&P Seed Company, Inc.	Y (3)			Company		
GP 74+	G&P Seed Company, Inc.	Y (3)		OA-304	Olvey and Associates,		Y
Green	Sally Vreseis Fox				Inc.		
GSC 1093	Agrigenetics Corporation,			Oro Blanco Pima	Phytogen		
	Division of The Lubrizol			Palo Verde	Sally Vreseis Fox	Y (*)	
	Corporation			Paymaster 147	Delta and Pine Land	Y (3)	
	The Lubrizol Corporation				Company		
GSC 20	The Lubrizol Corporation			Paymaster 892	Delta and Pine Land	Y (3)	
GSC 25	The Lubrizol Corporation				Company		
GSC 27	The Lubrizol Corporation						

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KIND	VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	TITLE V (GEN.)	1994 PVPA	APPLICANT	TITLE V (GEN.)	1994 PVPA
COTTON					COTTON					
Paymaster HS 26		Delta and Pine Land Company	Y (3)		Sure-Grow 404			Sure-Grow Seed, Inc.		Y
Paymaster HS200		Delta and Pine Land Company	Y (3)		Sure-Grow 501			Sure-Grow Seed, Inc.		
PD-3		South Carolina Agricultural Experiment Station and USDA-ARS Brownfield Seed and Delinting Company, Inc.	Y (3)		SV 13			J&S Research Company of Arizona, Inc.		
Quapaw D		Rilcot Seed Company			SV 93			J&S Research Company of Arizona, Inc.		
Rilcot 90-A		Rogers LG Cottonseed Company	Y (3)		Tamcot 2111			Texas Agricultural Experiment Station	Y (2)	
Rogers 7590		Rogers LG Cottonseed Company			Tamcot CAB-CS			Texas Agricultural Experiment Station	Y (3)	
Rogers LG 86		Rogers LG Cottonseed Company			Tamcot CD3H			Texas Agricultural Experiment Station	Y (1)	
S-35		Seed Source, Inc.			Tamcot GCNH			Texas Agricultural Experiment Station	Y (1)	
S-55		Seed Source, Inc.			Tamcot HQ95			Texas Agricultural Experiment Station	Y (2)	
San Simon Del Cerro Simwalt 82		B&M Cotton Company			Terra 207			Terra International, Inc.		
Southland 400		Oklahoma Agricultural Experiment Station	Y (2)		Terra 292			Terra International, Inc.		
Southland M1		SeedCo Corporation			Terra 366			Terra International, Inc.		Y
St 132		SeedCo Corporation			Terra C-30			Delta and Pine Land Company		
ST 474		Stoneville Pedigreed Seed Company, Inc.		Y	Terra C-40			Delta and Pine Land Company		
Stoneville 112		Stoneville Pedigreed Seed Company, Inc.		Y	Terra SR-10			SeedCo Corporation		
Stoneville 302		Stoneville Pedigreed Seed Company, Inc.			Tifcot 56			University of Georgia Research Foundation, Inc.	Y (3)	
Stoneville 324		Stoneville Pedigreed Seed Company, Inc.			COWPEA					
Stoneville 453		Stoneville Pedigreed Seed Company, Inc.			Big Boy Purplehull			Novartis Seeds, Inc.		
Stoneville 506		Stoneville Pedigreed Seed Company, Inc.			Carolina Sugar			Great Plains Research Company, Inc.		
Stoneville 907		Stoneville Pedigreed Seed Company, Inc.			Clemson Purple			South Carolina Agricultural Experiment Station		
Sure-Grow 1001		Ellis Brothers Seed, Inc.	Y (3)		CT Pinkeye			C. T. Smith Company		
Sure-Grow 125		Sure-Grow Seed, Inc.		Y	Purplehull			Auburn University	Y (3)	
					Freezegreen			Agricultural Experiment Station		
								Jeffrey D. Ehlers	Y (1)	Y

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
COWPEA				FESCUE, CHEWINGS			
Mississippi Cream	Mississippi Agricultural and Forestry Experiment Station	Y (3)		Contour	D.J. van der Have B.V.		
Mississippi Pinkeye	Mississippi Agricultural and Forestry Experiment Station	Y (3)		Jamestown II	Lofts Seed Company, Inc.		Y
Mississippi Shipper	Mississippi Agricultural and Forestry Experiment Station	Y (3)		Lobi	Zelder B.V.		
				Longfellow	International Seeds, Inc.		
				Magenta	D.J. van der Have B.V.		
				Mary	Mommersteeg International B.V.		
				Milan	Saatzucht Steinach GmbH.		
Pinkeye Pink Pod	Chester Brogden and Charles E. Smith			Molinda	Advanta BV		
				Proformer	Grassland West		Y
Texas Pinkeye Purple Hull	Texas Agricultural Experiment Station	Y (2)	Y	Shadow	Pure-Seed Testing, Inc.		
CUCUMBER				SR 5000	Seed Research of Oregon, Inc.		
Arkansas Little Leaf	M. J. Goode, J. L. Bowers and Arkansas Agricultural Experiment Station	Y (3)		Tiffany	Pure-Seed Testing, Inc.		Y
				Victory	Pickseed West Inc.		
				Wilma	W. Weibull AB	Y (2)	
Picklebush	W. Atlee Burpee Company			FESCUE, HARD			
DELPHINIUM				Aurora	Pure-Seed Testing, Inc.		
Magic Fountains Dark Blue/Dark Bee	John Bodger and Sons Company			Brigade	Mommersteeg International B.V.		
Magic Fountains Lilac Pink	John Bodger and Sons Company			Crystal	Advanta BV		
Magic Fountains Sky Blue	John Bodger and Sons Company			Discovery	Pure-Seed Testing, Inc.		
Magic Fountains White	John Bodger and Sons Company			Eureka	Van Engelen Zaden B.V.		
EGGPLANT				Hartina	D.J. van der Have B.V.		Y
Little Fingers	Harris Moran Seed Company			Nordic	Pure-Seed Testing, Inc.		
ENDIVE				Reliant	Lofts Seed Company, Inc.		
Crispy Green	Harris Moran Seed Company			Serra	Willamette Seed Company, Inc.		
Priscilla	Rijk Zwaan Zaadteelt en Zaadhandel B.V.		Y	Spartan	Pickseed West Inc.		
				SR 3000	Seed Research of Oregon, Inc.		
				SR 3100	Seed Research of Oregon, Inc.		
FENNEL				FESCUE, IDAHO			
AB Sweet Anise 93	D'Arrigo Brothers Company of California			Joseph	Idaho Agricultural Experiment Station	Y (2)	
				Nezpurs	Idaho Agricultural Experiment Station	Y (2)	
FESCUE, CHEWINGS				FESCUE, MEADOW			
Capitol Center	Cebeco Zaden B.V. Cebeco Zaden B.V.	Y (3)					

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
First	Snow Brand Seed Company Ltd.			FESCUE, TALL Cambridge	AgriBioTech, Inc.		
FESCUE, RED				Carefree	International Seeds, Inc.		
Barcrown	Barenbrug Holland B.V.	Y (3)		Cattle Club	FFR Cooperative		
Cindy	Cebeco Zaden B.V.	Y (3)		Chesapeake	The O. M. Scott and Sons Company		
Claudia	Cebeco Zaden B.V.	Y (3)			Pickseed West Inc.		
Flyer	Pure-Seed Testing, Inc.			Chieftain	Pure-Seed Testing, Inc.		
Jasper	Pickseed West Inc.			Cimarron	Lofts Seed Company, Inc.		
Jupiter	W.W. Johnson and Son Ltd., U.K.	Y (3)		Clemfine	Smith Seed Services		
Molate Blue	James M. Stewart, Inc., ConservaSeed			Conestoga	Pure-Seed Testing, Inc.		Y
Moncorde	Mommersteeg International B.V.			Coronado	Pickseed West Inc.		
Seabreeze	Pure-Seed Testing, Inc.		Y	Crewcut	Pickseed West Inc.		
Shademaster	Pure-Seed Testing, Inc.			Crossfire	Pickseed West Inc.		
Shademaster II	Pure-Seed Testing, Inc.			Duke	Jonathan Green and Sons, Inc. and Cascade		
Victor	Advanta BV		Y		International Seed Company		
Vista	Pure-Seed Testing, Inc.			Eldorado	Pure-Seed Testing, Inc.		
FESCUE, SLENDER				Emperor	Pickseed West Inc.		
Bighorn	Pure-Seed Testing, Inc.			Excalibur	Forbes Seed and Grain, Inc.		Y
MX-86	J.R. Simplot Company				AgriBioTech, Inc.		
FESCUE, TALL				Falcon	Pure-Seed Testing, Inc.		
Adventure	Pure-Seed Testing, Inc.			Finelawn 5GL	AgriBioTech, Inc.		
Amigo	Pure-Seed Testing, Inc.			Finelawn 88	Pure-Seed Testing, Inc.		
Apache	Pure-Seed Testing, Inc.			Finelawn I	Pure-Seed Testing, Inc.		
Arid	Jacklin Seed Company			Homestead	Smith Seed Services		
Arriba	Pure-Seed Testing, Inc.			Hounddog	International Seeds, Inc.		
Astro	Pure-Seed Testing, Inc.			Hubbard 87	Hubbard Seed and Supply		
AU Triumph	Alabama Agricultural Experiment Station, Auburn University			Jaguar	Pure-Seed Testing, Inc.		Y
	Normarc, Inc.			Jaguar 3	Pure-Seed Testing, Inc.		
Austin	Barenbrug Holland B.V.	Y (3)		Jaguar II	Pure-Seed Testing, Inc.		
Barcel	Barenbrug Holland B.V.	Y (3)		Johnstone	University of Kentucky and USDA-ARS	Y (3)	
Barnone	Pure-Seed Testing, Inc.			Kitty Hawk	Smith Seed Services		
Bonanza	KWS-AG			Lancer	Pickseed West Inc.		
Bonsai	International Seeds, Inc.			Martin	University of Missouri		
Cajun	Willamette Valley Plant Breeders, Inc.			Maximize	Pure-Seed Testing, Inc.		
Camarillo				Mesa	Jacklin Seed Company		
				Mojave	International Seeds, Inc.		
				Monarch	Pure-Seed Testing, Inc.		

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KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	KIND VARIETY	TITLE V 1994 (GEN.)	APPLICANT	1994 PVPA
FESCUE, TALL Montauk	Jonathan Green and Sons, Inc. and Cascade International Seed Company		FESCUE, TALL Trailblazer II Tribute Trident Vegas Virtue Willamette Winchester Wrangler FESTULOLIUM Tandem FLACCIDGRASS Carostan		Pure-Seed Testing, Inc. Lofts Seed Company, Inc. International Seeds, Inc. Pickseed West Inc. Pure-Seed Testing, Inc. International Seeds, Inc. Pure-Seed Testing, Inc. Jacklin Seed Company	Y
Mozark Murietta Mustang Olympic Olympic II Pacer Penngrazer Phoenix Phyter Pixie	University of Missouri Pure-Seed Testing, Inc. Pickseed West Inc. Pure-Seed Testing, Inc. Pure-Seed Testing, Inc. International Seeds, Inc. FFR Cooperative Normarc, Inc. FFR Cooperative Simplot Turf and Horticulture				D.J. van der Have B.V. North Carolina Agricultural Research Service	
Rebel 3D Rebel II Rebel Jr. Richmond Safari Safe Shenandoah	Lofts Seed Company, Inc. Lofts Seed Company, Inc. Lofts Seed Company, Inc. International Seeds, Inc. Pure-Seed Testing, Inc. Ag Tech, Inc. R. J. Peterson Enterprises, Inc. Pickseed West Inc. Pure-Seed Testing, Inc. International Seeds, Inc. Seed Research of Oregon, Inc.	Y	GAZANIA Daybreak Orange Mini-Star Tangerine HAIR-GRASS, CRESTED Barkoel HARDINGGRASS Au Oasis KLEINGRASS Verde Y LAURISAGRASS Cowboy		Denholm Seeds Ernst Benary, West Germany Barenbrug Holland B.V. Alabama Agricultural Experiment Station Texas Agricultural Experiment Station G. E. Pogue Seed Company, Inc.	Y (3)
Shortstop Silverado Southland SR 8200	Smith Seed Services FFR Cooperative NPI Seed Inc. Pure-Seed Testing, Inc. Willamette Seed Company, Inc. Seed Research of Oregon, Inc.	Y	LENTIL Lolita LESPEDEZA, CHINESE AU Donnelly LESPEDEZA, STRIATE Marion LETTUCE		Wilbur-Ellis Company Alabama Agricultural Experiment Station, Auburn University Curators of the University of Missouri	Y (2)
Stagecoach Stargrazer Tempo Thunderbird Tip						
Titan						
Tomahawk Tradition Trailblazer	Pure-Seed Testing, Inc. Pure-Seed Testing, Inc. Pure-Seed Testing, Inc.					

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KIND VARIETY	TITLE V 1994			APPLICANT	TITLE V (GEN.)	1994 PVPA	VARIETY	1994 PVPA	TITLE V (GEN.)	1994 PVPA
	APPLICANT	(GEN.)	KIND							
Ace	Seminis Vegetable Seeds, Inc.		Y LETTUCE	Arthur Yates and Company Pty. Ltd.						
Alpha DMR	Harris Moran Seed Company		Bulls Eye	Sluis and Groot Research						
Andros	Seminis Vegetable Seeds, Inc.		Canasta Capri	Seminis Vegetable Seeds, Inc.						
Annie	Seminis Vegetable Seeds, Inc.		Centurion Champ	Quali-Sel, Inc.						
Aquarius	Sakata Seed America, Inc.			Seminis Vegetables Seeds, Inc.						
Aragon Red	Central Valley Seeds, Inc.		Chieftain	Seminis Vegetables Seeds, Inc.						
Atlas	Seminis Vegetables Seeds, Inc.		Classic	Seminis Vegetable Seeds, Inc.						
Augustus	Seminis Vegetable Seeds, Inc.		Clemente	Royal Sluis, Koninklijke Zaaizaadbedrijven						
Barnburner	Seminis Vegetable Seeds, Inc.		Coolgreen Cordoba	Gebroeders Sluis, B.V.						Y
Basore 920	Seminis Vegetables Seeds, Inc.		Cos King	Harris Moran Seed Company						Y
Bautista	Royal Sluis, Koninklijke Zaaizaadbedrijven			Seminis Vegetable Seeds, Inc.						
Bella Rosa	Gebroeders Sluis, B.V.			Seminis Vegetables Seeds, Inc.						
Bellagreen	Plant Genetics, Inc.		Cowboy	Coastal Seeds, Inc.						Y
Big Red	Harris Moran Seed Company		Crisp & Green	Central Valley Seeds, Inc.						Y
Bix	Seminis Vegetables Seeds, Inc.		Darkland Cos	Central Valley Seeds, Inc.						
Blazer	Seminis Vegetable Seeds, Inc.		Daybreak	Seminis Vegetable Seeds, Inc.						
Bonanza	Seminis Vegetables Seeds, Inc.		Del Oro	Seminis Vegetable Seeds, Inc.						Y
Boston Beauty	Seminis Vegetable Seeds, Inc.		Del Rey	Royal Sluis, Koninklijke Zaaizaadbedrijven						
Boston Rose	Seminis Vegetables Seeds, Inc.		Del Rio	Gebroeders Sluis, B.V.						
Bounty	Seminis Vegetables Seeds, Inc.		Desert Queen	Seminis Vegetable Seeds, Inc.						Y
Bronco	Coastal Seeds, Inc.			Seminis Vegetables Seeds, Inc.						
Bud 71-3	Bud Antle, Inc.		Desert Spring	Seminis Vegetables Seeds, Inc.						
Buena Vista	Seminis Vegetables Seeds, Inc.		Desert Storm	Harris Moran Seed Company						Y

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LETTUCE				LETTUCE			
Diamond	Coastal Seeds, Inc.			Green Towers	Harris Moran Seed Company		
Don Juan	Harris Moran Seed Company			Green Vision	Central Valley Seeds, Inc.		Y
Duchesse	Harris Moran Seed Company						
Dynasty	Harris Moran Seed Company			Greenfield	Harris Moran Seed Company		
Early Giant	Seminis Vegetables Seeds, Inc.			Greengo	Seminis Vegetables Seeds, Inc.		
Early Queen	Paragon Seed, Inc.		Y	Honcho II	Seminis Vegetables Seeds, Inc.		
El Dorado	Royal Sluis, Koninklijke Zaaizaadbedrijven			Huron	Orsetti Seed Company, Inc.		Y
	Gebroeders Sluis, B.V.						
El Toro	Harris Moran Seed Company			Ideal Cos	Seminis Vegetables Seeds, Inc.		
Encore	Royal Sluis, Koninklijke Zaaizaadbedrijven			Impact	Arthur Yates and Company Pty. Ltd.		
	Gebroeders Sluis, B.V.			Jazz	Seminis Vegetables Seeds, Inc.		
Enduro	Seminis Vegetable Seeds, Inc.						
				Kelvin	Royal Sluis B.V.		
Epic	Sakata Seed America, Inc.			King City	Seminis Vegetables Seeds, Inc.		
Esmeralda	Royal Sluis B.V.			LaJolla	Koninklijke Zaaizaadbedrijven		
Express	Harris Moran Seed Company		Y		Gebroeders Sluis, B.V.		
Fallgreen	Harris Moran Seed Company			Le Cup	Seminis Vegetable Seeds, Inc.		
Fame	Seminis Vegetable Seeds, Inc.			Lettich	Seminis Vegetables Seeds, Inc.		
Fanfare	Harris Moran Seed Company			Magnum	Arthur Yates and Company Pty. Ltd.		
FM 8248	Harris Moran Seed Company			Major Cos	Seminis Vegetables Seeds, Inc.		
Gabilan	Bruce Church, Inc.			Marksman	Arthur Yates and Company Pty. Ltd.		
Garnet	Harris Moran Seed Company			Marvel	Seminis Vegetables Seeds, Inc.		
Gemini	Sakata Seed America, Inc.			Maverick	Seminis Vegetables Seeds, Inc.		
Genecorp Boston	Seminis Vegetables Seeds, Inc.			Maverick II	Seminis Vegetables Seeds, Inc.		
				Mid Queen	Paragon Seed, Inc.		Y
Genecorp Cos	Seminis Vegetables Seeds, Inc.						
Genecorp Green	Seminis Vegetables Seeds, Inc.						
Genesys Green	Seminis Vegetables Seeds, Inc.						
Gilaben	Harris Moran Seed Company						
Golden Bibb	Scattini Seeds, Inc.						
Green Bowl	Seminis Vegetable Seeds, Inc.						

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
LETTUCE				LETTUCE			
Milestone	Bruce Church, Inc.			Rosalita	Johnny's Selected Seeds and Orsetti Seeds Company, Inc.		
Monarch	Bruce Church, Inc.				Royal Sluis B.V.		
Murietta	Harris Moran Seed Company		Y	Royal Green	Royal Sluis B.V.		
Overture	Harris Moran Seed Company			Royal Red	Seminis Vegetable Seeds, Inc.		Y
Paragon	Bruce Church, Inc.			RS 0156	Harris Moran Seed Company		
Pinnacle	Bruce Church, Inc.				Harris Moran Seed Company		
Premiere	Harris Moran Seed Company		Y	Salad Bibb	Vilmorin, S.A.		
Primavera	Seminis Vegetables Seeds, Inc.			Salverde	Seminis Vegetables Seeds, Inc.		
Prince	Seminis Vegetables Seeds, Inc.			Sangria	Seminis Vegetable Seeds, Inc.		
Pro 917	Seminis Vegetables Seeds, Inc.			Scarlett Butter	Seminis Vegetable Seeds, Inc.		
Racy Red	Seminis Vegetables Seeds, Inc.			Sedona	Seminis Vegetable Seeds, Inc.		Y
Raider	Seminis Vegetables Seeds, Inc.			Seeker	Seminis Vegetable Seeds, Inc.		
Raisa	Seminis Vegetables Seeds, Inc.			Shilo	Seminis Vegetable Seeds, Inc.		
Rambo	Rijk Zwaan Zaadteelt en Zaadhandel B.V.			Shogun	Harris Moran Seed Company		
Ramrod	Seminis Vegetables Seeds, Inc.			Sierra	Vilmorin, S.A.		
Red Coach 82	Seminis Vegetables Seeds, Inc.			Simpson Elite	Seminis Vegetable Seeds, Inc.		
Red Eye Cos	Seminis Vegetables Seeds, Inc.			Snowbird	Harris Moran Seed Company		
Red Hot COS	Seminis Vegetable Seeds, Inc.		Y	Spector	Seminis Vegetables Seeds, Inc.		
Red Line	Seminis Vegetable Seeds, Inc.			Stinger	Seminis Vegetable Seeds, Inc.		
Red River	Seminis Vegetable Seeds, Inc.		Y	Sudia	Vilmorin, S.A.		
Red Sails	Seminis Vegetable Seeds, Inc.			Sweet Gem	Seminis Vegetable Seeds, Inc.		Y
Red Sceptre	Seminis Vegetable Seeds, Inc.			Target	Arthur Yates and Company Pty. Ltd.		
Red Vogue	Sakata Seed America, Inc.			Telda	Royal Sluis B.V.		
Redprize	Harris Moran Seed Company			Tiara	Seminis Vegetable Seeds, Inc.		
Romulus	Seminis Vegetable Seeds, Inc.			Two Star	Orsetti Seed Company, Inc.		
				Ultra Green	Orsetti Seed Company, Inc. and Summit Seeds, Inc.		

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KIND	VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	TITLE V (GEN.)	1994 PVPA
LETTUCE					MARIGOLD		
	Valley King	Bruce Church, Inc.			Hero Harmony		
	Van 007X	Seminis Vegetables Seeds, Inc.			Hero Orange		
	Van Mor	Harris Moran Seed Company			Hero Red		
	VAN SAL 210	Seminis Vegetables Seeds, Inc.			Hero Yellow		
	Vancrisp	Koninklijke Zaaizaadbedrijven			Janie Bright Yellow		
	Vango	Gebroeders Sluis, B.V.			Janie Deep Orange		
	Venice	Harris Moran Seed Company			Janie Flame		
		Seminis Vegetable Seeds, Inc.	Y		Janie Primrose		
	Vulcan	Sakata Seed America, Inc.			Janie Tangerine		
	Western Red Leaf	Orsetti Seed Company, Inc.			Little Hero Fire		Y
	Westland	Orsetti Seed Company, Inc.	Y		Little Hero Flame		Y
	Winter King	Bruce Church, Inc.			Little Hero Orange		Y
	Wrangler	Coastal Seeds, Inc.			Little Hero Yellow		Y
	Yuma	Harris Moran Seed Company			Nemanon		
	Yuppie	Seminis Vegetables Seeds, Inc.			Orange Sophia		
	Zenith	Bruce Church, Inc.			Papaya Crush		
LOBELIA, ANNUAL					Improved		
	Riviera Blue Splash	Waller Flowerseed Company		Y	Pineapple Crush		
	Riviera Lilac	Waller Flowerseed Company		Y	Improved		
MARIGOLD					Polynema		
	Aurora Orange	Waller Flowerseed Company		Y	Pumpkin Crush		
	Aurora Yellow Fire	Goldsmith Seeds, Inc.			Improved		
	Bonanza Yellow	Denholm Seeds			Safari Bolero		
	Disco Flame	John Bodger and Sons Company			Safari Red		
	Disco Golden Yellow	John Bodger and Sons Company			Safari Tangerine		
	Disco Orange	John Bodger and Sons Company			Safari Yellow		
	Hero Flame	John Bodger and Sons Company					
	Hero Gold	John Bodger and Sons Company					

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MARIGOLD	Xantho-Orange MEADOWFOAM Floral	W. Atlee Burpee Company			Bay		
		Oregon State University Agriculture Experiment Station			Belle		Y (2)
	Mermaid	Oregon State University Agriculture Experiment Station	Y (2)		Benson		Y (3)
		Ali Abad Farm			Big Mac		Y (3)
					Brawn		Y (3)
					Celsia		Y (3)
MELON, KHARBUZA	Aliabadi				Centennial		Y (3)
MILKVEITCH							
Windsor		USDA-ARS, Colorado Agricultural Experiment Station, and Wyoming Agricultural Experiment Station	Y (2)	Y	Chapman		Y (2)
MUSKMELON							
AUrora		Alabama Agricultural Experiment Station, Department of Horticulture			Charisma		
		Kansas State University Research Foundation			Coker 820		Y (3)
Earlibush Crenshaw		Novartis Seeds, Inc.			Dane		Y (2)
Marathon		Novartis Seeds, Inc.			Ensiler		Y (2)
Musketeer		Novartis Seeds, Inc.			Hercules		Y (3)
PMR 45 Full Net		Shamrock Seed Company, Inc.					
		Novartis Seeds, Inc.			Horicon		Y (2)
Stephanie		Gro-Pro Enterprises, Inc.					
Sunglo Casaba		Hollar Seeds, Inc.		Y	INO9201		
Sweet Delight		Harris Moran Seed Company					
Top Net SR							
OAT							
811		Arkansas County Seed Company, Inc.		Y	Jerry		Y
833		Arkansas County Seed Company, Inc.					
871		Arkansas County Seed Company, Inc.			Magnum		Y (*)
		Ohio Agricultural Research and Development	Y (3)		Magnum II		
Armor					Mesquite		Y (3)
					Mesquite II		

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
OAT				ONION			
Milton	Minnesota Agricultural Experiment Station	Y (3)		Corona Italian Red	Mr and Mrs James Corona		
Newdak	North Dakota Agricultural Experiment Station	Y (3)		Crystal Wax Pickling Daybreak	Sunseeds Company Shamrock Seed Company, Inc.		Y
Paul	NDSU Research Foundation, ND Agricultural Experiment Station		Y	Dorada	Texas Agricultural Experiment Station		
Pennuda	Pennsylvania Agricultural Experiment Station and USDA-ARS	Y (3)		Dynasty	Shamrock Seed Company, Inc.		
Porter	Purdue University Agricultural Experiment Station	Y (3)		Emerald Isle	Seminis Vegetable Seeds, Inc.		
Prairie	Wisconsin Agricultural Experiment Station	Y (2)		Everest	Shamrock Seed Company, Inc.		
Premier	Minnesota Agricultural Experiment Station	Y (3)		IBEX	Shamrock Seed Company, Inc.		Y
Proat	Minnesota Agricultural Experiment Station	Y (3)		La Joya	Seminis Vegetable Seeds, Inc.		
Southern States 76-30	Southern States Cooperative, Inc.	Y (3)		Lumina	Shamrock Seed Company, Inc.		
Starter	Minnesota Agricultural Experiment Station	Y (3)		Mission Star	Harris Moran Seed Company	Y	Y
Whitestone	NDSU Research Foundation, ND Agricultural Experiment Station		Y	Numex Casper	New Mexico Agricultural Experiment Station	Y (3)	Y
Yeats	North Carolina Agricultural Research Service and USDA-ARS	Y (3)		NuMex Centric	New Mexico State University Agricultural Experiment Station	Y (3)	Y
OKRA				NuMex Crispy	New Mexico State University Agricultural Experiment Station	Y (3)	Y
Cajun Queen	Sunseeds Company			NuMex Dulce	New Mexico State University Agricultural Experiment Station	Y (3)	Y
Prelude	Novartis Seeds, Inc.						
ONION							
Cardinal	Shamrock Seed Company, Inc.			NuMex Luna	New Mexico State University Agricultural Experiment Station	Y (3)	Y
Caribou-19	Shamrock Seed Company, Inc.			NuMex Mesa	New Mexico State University Agricultural Experiment Station	Y (3)	Y
Contessa	Seminis Vegetable Seeds, Inc.			NuMex Starlite	New Mexico Agricultural Experiment Station		

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
NuMex Vado	New Mexico State University Agricultural Experiment Station	Y (3)	Y	Grasslands Tekapo	New Zealand Pastoral Agriculture Research Institute Ltd.	Y (2)	
Omo M	Harris Moran Seed Company and Fresh Choice Produce, Inc.			Justus Mobite	University of Missouri Mommersteeg International B.V.	Y (*)	
Perla	Texas Agricultural Experiment Station			Pro-file	Ag Biotech of Oregon, Inc.		
Red Pinoy	Hortigen B.V.			Pro-Gress	Ag Biotech of Oregon, Inc.		
Red Robins PRR 95	A.M. Dessert and B.M. Domingo		Y	Satin	Green Genes, Inc.		Y
Red Star	Seminis Vegetable Seeds, Inc.		Y	Summer Green	Snow Brand Seed Company Ltd.		
Redbone	Seminis Vegetable Seeds, Inc.			PARSNIP			
Regal	Sunseeds Company			Andover	Regents of the University of Minnesota		
Regia	Seminis Vegetable Seeds, Inc.			PEA			
Serrana	Seminis Vegetable Seeds, Inc.			260	Green Giant Company		
SSC 0020	Seminis Vegetable Seeds, Inc.			265	Green Giant Company	Y (*)	
Sweet Winter	Shamrock Seed Company, Inc.			77 Early Perfection	Nunza B.V.		
Texas Early White	Sunseeds Company			9000 Freezer	Nunza B.V.		
Texas Grano 1015Y	Texas Agricultural Experiment Station			Aim	Seminis Vegetable Seeds, Inc.		
Texas Grano 1025Y	Texas Agricultural Experiment Station			Aladdin	Novartis Seeds, Inc.		Y
Texas Grano 1030Y	Texas Agricultural Experiment Station			Alfi	Seminis Vegetable Seeds, Inc.		
Texas Grano 1105Y	Texas Agricultural Experiment Station			Alpine	Novartis Seeds, Inc.		
Texas Grano 438	Texas Agricultural Experiment Station			Alsweet III	Seminis Vegetable Seeds, Inc.		
ORCHARDGRASS				Antigo	Crites-Moscow Growers, Inc.		
AMBROSIA	Pure-Seed Testing, Inc.		Y	Applause	Nunza B.V.		
Benchmark	FFR Cooperative			Arctic	Pure Line Seeds, Inc.		
Elsie	Pure-Seed Testing, Inc.			Arise	Seminis Vegetable Seeds, Inc.		
				Aristagreen	Wilbur-Ellis Company		
				Aspire	Seminis Vegetable Seeds, Inc.		Y
				Athena	W. Brotherton Seed Company, Inc.		

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KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA	KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA
PEA							
Ava	Nunza B.V.			DMC 50-33	Del Monte Corporation		
Award	Seminis Vegetable Seeds, Inc.			DMC 50-60	Del Monte Corporation		Y
				DMC 50-63	Del Monte Corporation		
Badger	Novartis Seeds, Inc.			DMC 50-68	Del Monte Corporation		
Bemol	Seminis Vegetable Seeds, Inc.			DMC 50-69	Del Monte Corporation		
				DMC 50-70	Del Monte Corporation		
Blizzard	Novartis Seeds, Inc.			DMC 50-71	Del Monte Corporation		
Bold	Pure Line Seeds, Inc.			DMC 50-74	Del Monte Corporation		
Bonito	Crites-Moscow Growers, Inc.			DMC 50-76	Del Monte Corporation		
				DMC 50-78	Del Monte Corporation		
Bonnaire	Seminis Vegetable Seeds, Inc.			DMC 50-79	Del Monte Corporation		
				DMC 50-80	Del Monte Corporation		
Bounty	Novartis Seeds, Inc.			DMC 50-82	Del Monte Corporation		Y
Cabree	Seminis Vegetable Seeds, Inc.			Dual	Seminis Vegetable Seeds, Inc.		
Candelite	Novartis Seeds, Inc.			Early Freezer 680	Novartis Seeds, Inc.		
Captain	Nunza B.V.			Early Sweet #9	Novartis Seeds, Inc.		
Caselode	W. Brotherton Seed Co., Inc.	Y		Early Sweet 41	Pure Line Seeds, Inc.		
				Ego	Novartis Seeds, Inc.		
Challis	Crites-Moscow Growers, Inc.			Elegance	Seminis Vegetable Seeds, Inc.		
				Encore	Seminis Vegetable Seeds, Inc.		
Citadel	Seminis Vegetable Seeds, Inc.			Envy	Seminis Vegetable Seeds, Inc.		
Classicgreen	Novartis Seeds, Inc.	Y					
Darien	Seminis Vegetable Seeds, Inc.	Y		Epic	Seminis Vegetable Seeds, Inc.		
Daybreak	Novartis Seeds, Inc.			Everett	Novartis Seeds, Inc.		
Delsey	Novartis Seeds, Inc.			Filly	Seminis Vegetable Seeds, Inc.		
Dew	Seminis Vegetable Seeds, Inc.			Flair	Seminis Vegetable Seeds, Inc.		
Dignity	Crites-Moscow Growers, Inc.			Fridgit	Novartis Seeds, Inc.		
				Fristo	Seminis Vegetable Seeds, Inc.		Y
DMC 50-02	Del Monte Corporation			Frolic	Novartis Seeds, Inc.		
DMC 50-04	Del Monte Corporation			Frontier	Wisconsin Crop Improvement Association		
DMC 50-05	Del Monte Corporation			Gain	Seminis Vegetable Seeds, Inc.		
DMC 50-21	Del Monte Corporation						
DMC 50-26	Del Monte Corporation						
DMC 50-27	Del Monte Corporation						
DMC 50-28	Del Monte Corporation						

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(Through March 31, 2000)

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PEA							
Galasweet	Novartis Seeds, Inc.			Micro	Seminis Vegetable Seeds, Inc.		
Genie	Novartis Seeds, Inc.			Midget	Wilbur-Ellis Company		
Goya	Seminis Vegetable Seeds, Inc.			Misty	Pure Line Seeds, Inc.		
Hailey	Seminis Vegetable Seeds, Inc.			Nomad	Novartis Seeds, Inc.		
Headliner	Novartis Seeds, Inc.			Nordic	Novartis Seeds, Inc.		
Honey Pod	Novartis Seeds, Inc.			Northstar	Novartis Seeds, Inc.		
HP071-2-5	Novartis Seeds, Inc.			Novella II	Novartis Seeds, Inc.		
HP758A	Novartis Seeds, Inc.		Y	Now	Seminis Vegetable Seeds, Inc.		
Image	Crites-Moscow Growers, Inc.			Opal	Wilbur-Ellis Company		
June	van Waveren Pflanzenzucht GmbH.			Orcas	W. Brotherton Seed Company, Inc.		
Jupiter	Novartis Seeds, Inc.			Paladio	Seminis Vegetable Seeds, Inc.		Y
Kalamo	Seminis Vegetable Seeds, Inc.		Y	Passport Payload	Novartis Seeds, Inc.		Y
Karisma	Seminis Vegetable Seeds, Inc.			Perk	Seminis Vegetable Seeds, Inc.		
Karl-Evert	NESTEC S.A.			PJ 7625	Novartis Seeds, Inc.		
Krilla	Seminis Vegetable Seeds, Inc.			Plus	Seminis Vegetable Seeds, Inc.		
Lacy Lady	Novartis Seeds, Inc.			Point	Nunza B.V.		
Lazor	Seminis Vegetable Seeds, Inc.			Polaris	Novartis Seeds, Inc.		
Leah	Seminis Vegetable Seeds, Inc.			Premium	van Waveren Pflanzenzucht GmbH.		
Mariner	Novartis Seeds, Inc.			Pronto	Seminis Vegetable Seeds, Inc.		
MC-201	L. D. Maffei Seed Company, Inc.			Quad	Crites-Moscow Growers, Inc.		
Mendota	Novartis Seeds, Inc.			Quantum	Seminis Vegetable Seeds, Inc.		
Menlo	W. Brotherton Seed Company, Inc.			Quest	Novartis Seeds, Inc.		
Menuet	Seminis Vegetable Seeds, Inc.			Rampart	Seminis Vegetable Seeds, Inc.		
Methow	Crites-Moscow Growers, Inc.		Y	Reco	NESTEC S.A.		
MF-502	L. D. Maffei Seed Company, Inc.			Revolution Saber	Novartis Seeds, Inc.		
					Seminis Vegetable Seeds, Inc.		

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PEA							
Samish	Crites-Moscow Growers, Inc.			PEA	Novartis Seeds, Inc.		
Sancho	Sharpes International Seeds Limited			Sunset	Novartis Seeds, Inc.		
Scamp	Pure Line Seeds, Inc.			Super SugarMel	Crites-Moscow Growers, Inc.		
Scepter	Nunza B.V.		Y	Superscout	Novartis Seeds, Inc.		
Sentry	Pure Line Seeds, Inc.			Sweet Snap	Seminis Vegetable Seeds, Inc.		
Shield	Seminis Vegetable Seeds, Inc.			Tacoma	Seminis Vegetable Seeds, Inc.		
SL 173	Novartis Seeds, Inc.			Talbot	Seminis Vegetable Seeds, Inc.		Y
Snake	Crites-Moscow Growers, Inc.			Tasman	Novartis Seeds, Inc.		
Snappy	W. Atlee Burpee Company			Top Pod	Novartis Seeds, Inc.		
Somerset	Novartis Seeds, Inc.			Treat	Seminis Vegetable Seeds, Inc.		
Sonic	Novartis Seeds, Inc.			Trek	Seminis Vegetable Seeds, Inc.		
SP110-1-2-7-2	Novartis Seeds, Inc.		Y	Tripod	Novartis Seeds, Inc.		
SP363-1-1-5-1	Novartis Seeds, Inc.		Y	Trolly	Seminis Vegetable Seeds, Inc.		
SP704-3-8	Novartis Seeds, Inc.		Y	Turbo	Seminis Vegetable Seeds, Inc.		
Span	Crites-Moscow Growers, Inc.						
Springgreen	Novartis Seeds, Inc.		Y				
Stampede	Seminis Vegetable Seeds, Inc.			Tyee	W. Brotherton Seed Company, Inc.		
Stringless Sugar	Novartis Seeds, Inc.			Utrillo	Seminis Vegetable Seeds, Inc.		
Snap							
Style	Pure Line Seeds, Inc.			Valgreen	Wilbur-Ellis Company		
Sugar Daddy	Novartis Seeds, Inc.			Vulcan	Seminis Vegetable Seeds, Inc.		
Sugar Pop	Novartis Seeds, Inc.						
SugarAnn	Novartis Seeds, Inc.			PEA, FIELD			
SugarBon	Novartis Seeds, Inc.			Belinda	CEBECO ZADEN B.V.	Y (3)	
SugarRae	Novartis Seeds, Inc.			Carrera	CEBECO ZADEN B.V.	Y (3)	
SugerMel	Novartis Seeds, Inc.			Danto	L. Daehnfeldt, Inc.	Y (3)	
Sultan	Novartis Seeds, Inc.			Impala	CEBECO ZADEN B.V.	Y (3)	
	Crites-Moscow Growers, Inc.			Irby Scotch	Campbell Soup Company, Campbell Institute for Research and Technology		
Sun Burst	Pure Line Seeds, Inc.				Sharpes International Seed Ltd.	Y (3)	
Sun-Up	Pure Line Seeds, Inc.			Magnus			
Sundance	Pure Line Seeds, Inc.						
Sunfire	Pure Line Seeds, Inc.			Maxi	CEBECO ZADEN B.V.	Y (3)	
Sunrise	Novartis Seeds, Inc.		Y	Miranda	Cebeco Zaden B.V.	Y (3)	

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PEA, FIELD				PEANUT			
Othello	CEBECO ZADEN B.V.	Y (3)		NC 10C	North Carolina Agricultural Research Service	Y (3)	
Princess	Wilbur-Ellis Company	Y (1)					
Pro 2100	ProGene, L.C.		Y				
Renata	CEBECO ZADEN B.V.	Y (3)		NC 12C	North Carolina Agricultural Research Service	Y (3)	Y
Ricardo	CEBECO ZADEN B.V.	Y (3)					
Solara	CEBECO ZADEN B.V.	Y (3)					
SV Victoria	Svalof AB			NC 9	North Carolina Agricultural Research Service	Y (3)	
Tremont Scotch	Campbell Soup Company, Campbell Institute for Research and Technology						
				NC-V11	North Carolina Agricultural Research Service	Y (3)	
PEA, FLAT							
Tinga	Terramax Corporation, Canada	Y (4)		Shosh	State of Israel/Ministry of Agriculture, Agricultural Research Organization, The Volcani Center	Y (3)	
PEANUT							
127	AgraTech Seeds Inc.	Y (3)	Y				
458	James Sutton, Mycogen Corporation Gordon	Y (3)	Y				
	Patterson, Hershey Foods Corporation			Southern Runner	Florida Agricultural Experiment Station, University of Florida	Y (3)	
AD-1	J. Ashley Darden	Y (3)					
Andru 93	Florida Agricultural Experiment Station	Y (3)		SunOleic 95R	Florida Agricultural Experiment Station, University of Florida	Y (3)	
AT 108	AgraTech Seeds Inc.	Y (3)	Y				
AT 120	Agratech Seeds Inc.	Y (3)	Y	SunOleic 97R	University of Florida Univ. of Fla. Agric. Expt. Sta.	Y (3)	Y
AT225 High Oleic	AgraTech Seeds Inc.	Y (3)	Y				
David	State of Israel/Ministry of Agriculture, Agricultural Research Organization, The Volcani Center	Y (3)	Y	VA-C 92R	Virginia Agricultural Experiment Station	Y (3)	
				VC-1 PEPPER	AgraTech Seeds Inc.	Y (3)	Y
				90-3083	Novartis Seeds, Inc.		
Georgia Browne	University of Georgia	Y (3)	Y	Alpha II	Nestle S.A.		
Georgia Green	Research Foundation, Inc.	Y (3)	Y	Autopick	Drs. Fred C. and Nancy A. Elliott		Y
Georgia Runner	University of Georgia	Y (3)	Y	Bell-Sweet	DNA Plant Technology Corporation		
	Research Foundation, Inc.	Y (3)		Capistrano	Seminis Vegetable Seeds, Inc.		
GK-7	University of Georgia	Y (3)					
KH20	Research Foundation, Inc.	Y (3)		DMC 56-02	Del Monte Corporation		
Marc I	Agratech Seeds Inc.	Y (3)		DMC 56-04	Del Monte Corporation		
	Kenneth E. Hughes						
	Florida Agricultural Experiment Station	Y (3)					

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PEPPER				PHLOX, ANNUAL			
DMC 56-52	Del Monte Corporation			Palona White	S&G Seeds B.V.		
DMC 56-54	Del Monte Corporation			Palona White with	S&G Seeds B.V.		
DMC 58-214	Del Monte Corporation		Y	Eye			
DMC 58-218	Del Monte Corporation		Y	POTATO, IRISH			
Francisca	Frank Garcia, Jr.		Y	Rosara	SAKA-RAGIS Pflanzenzucht		Y
Hidalgo	Texas Agricultural	Y (*)			GbR		
Jupiter	Experiment Station			PRIMROSE, EVENING			
Loribelle	Novartis Seeds, Inc.			Merlin	Scotia Pharmaceuticals		
	Orsetti Seed Company,				Ltd.		
	Inc.			Rigel	Scotia Pharmaceuticals		Y
Okala	Oklahoma Agricultural		Y		Ltd.		
	Experiment Station			PUMPKIN			
Ole	Harris Moran Seed Company			Baby Bear	Johnny's Selected Seeds		Y
Orange Cayenne	Tommy Bolack	Y (*)		Baby Boo	John Jaunsem		
Prima Belle	Sunseeds Company			Bushkin	W. Atlee Burpee Company		
R & C Cayenne	Seminis Vegetable Seeds,			Dill's Atlantic	Howard Dill Enterprises,		
	Inc.			Giant	Ltd.		
Red Savina	Frank Garcia, Jr.			Goldilocks	Novartis Seeds, Inc.		
Sonora Anaheim	Seminis Vegetable Seeds,			Happy	Jennie Catherine Brush		
	Inc.			Howden Biggie	Bruce M. and Richard A.		Y
TAM Veracruz	Texas Agricultural			Lumina	Howden		
	Experiment Station	Y (*)			Hollar Seed Company; Geo.		
Tambel-2	Texas Agricultural			Tom Fox	Perry and Sons		
Taurus	Experiment Station		Y	Wee-B-Little	Johnny's Selected Seeds		Y
Vegi-Sweet	Novartis Seeds, Inc.			RADISH	Novartis Seeds, Inc.		Y
	DNA Plant Technology			Belle Glade			
	Corporation			Krasna	Harris Moran Seed Company		Y
Vlacini	Campbell Soup Company,	Y (1)		Plum Purple	A. Duda & Sons, Inc.		
	Campbell Institute for				Alf Christianson Seed	Y (1)	
	Research and Technology				Company		
PHLOX, ANNUAL				Red Baron	Novartis Seeds, Inc.		
Dolly Burgundy	Sakata Seed America, Inc.			Red King	Harris Moran Seed Company		
Dolly Deep Rose	Sakata Seed America, Inc.			Red Silk	Harris Moran Seed Company		Y
Dolly Purple	Sakata Seed America, Inc.			Ruby	Alf Christianson Seed		
Dolly White	Sakata Seed America, Inc.				Company		
Palona Carmine	S&G Seeds B.V.			Snow Belle	Alf Christianson Seed		
Palona Deep Rose	S&G Seeds B.V.				Company		
Palona Deep Salmon	S&G Seeds B.V.			RADISH, FODDER			
Palona Light Salmon	S&G Seeds B.V.			Adagio	P.H. Petersen, Saatzeit		

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RADISH, FODDER Viking RAPE A112	P.H. Petersen, Saatzzucht Ameri-Can Pedigreed Seed Company University of Idaho Ameri-Can Pedigreed Seed Company		Y	RICE A-201 Amylo 17	California Cooperative Rice Research Foundation, Inc. Mitsubishi Chemical Corporation, Mitsubishi Corporation N. F. Davis Drier and Elevator, Inc.	Y (3)	Y
Aspen Bingo	University of Idaho Ameri-Can Pedigreed Seed Company	Y (2)	Y	California Belle	N. F. Davis Drier and Elevator, Inc.	Y (*)	
Bridger	University of Idaho	Y (2)		Calpearl	N. F. Davis Drier and Elevator, Inc.	Y (3)	
Cascade	University of Idaho	Y (2)					
Cathy	University of Idaho	Y (2)					
Celebra	Svalof AB	Y (2)		CB-801	Farms of Texas Company		
Ceres	Calgene, Inc. and King Grain, Inc.			Denosa	Hisparroz, S.A.	Y (3)	Y
	Calgene, Inc. and King Grain, Inc.			Donana	Hisparroz, S.A.	Y (3)	
Cobra				Hareyaka	Mitsubishi Kasei Corporation, Mitsubishi Corporation	Y (3)	
Crystal	Svalof AB	Y (2)					
Delta	W. Weibull AB			Isla	Hisparroz, S.A.	Y (3)	Y
Falcon	Calgene, Inc. and King Grain, Inc.		Y	KR4	Rice Researchers, Inc.		
	Svalof AB			KRM-2	Rice Researchers, Inc.		
Glacier	Svalof AB	Y (2)		L-203	California Cooperative Rice Research Foundation, Inc.	Y (3)	
Global	Svalof AB	Y (2)					
Humus	University of Idaho	Y (2)					
IMC 01	Cargill Incorporated	Y (*)		L-204	California Cooperative Rice Research Foundation, Inc.	Y (3)	Y
IMC 02	Cargill Incorporated	Y (*)	Y				
IMC 129	Cargill Incorporated	Y (*)					
IMC 130	Cargill Incorporated			M-103	California Cooperative Rice Research Foundation, Inc.	Y (3)	
IMC 144	Cargill Incorporated	Y (*)					
Legend	Svalof AB	Y (2)					
LEI III	University of Idaho	Y (2)		M-203	California Cooperative Rice Research Foundation, Inc.	Y (3)	
Lindora-00	Canola, Inc.	Y (2)					
Lirabon-00	Cargill, Inc.	Y (2)					
Liradonna	Agripro Seeds, Inc.	Y (3)		M-204	California Cooperative Rice Research Foundation, Inc.	Y (3)	
Printol	Cargill, Inc.	Y (2)					
Rebel	University of Idaho	Y (2)					
Topas	Svalof AB	Y (2)		NFD 108	N. F. Davis Drier and Elevator, Inc.	Y (3)	
Viking	L. Daehnfeldt, Inc.	Y (3)					
REED CANARYGRASS				NFD 109	N. F. Davis Drier and Elevator, Inc.	Y (3)	
Palaton	Research Seeds, Inc.						
Venture	Research Seeds, Inc.			NFD-181	N. F. Davis Drier and Elevator, Inc.	Y (3)	Y

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RICE				RYEGRASS (LOLIUM X HYBRIDUM)			
RRI-7530	Rice Researchers, Inc.	Y (3)		3CN	Pure-Seed Testing, Inc.		
RT-A1001	Farms of Texas Company			Agree	Pure-Seed Testing, Inc.		
RT-A1002	Farms of Texas Company			Bison	International Seeds, Inc.		
RT7015	RiceTec Seed Inc. (Farms of Texas Company)			Oregreen	Pure-Seed Testing, Inc.		
S-101	California Cooperative Rice Research Foundation, Inc.	Y (3)		Polly	L. Daehnfeldt, Inc.	Y (1)	
S-102	California Cooperative Rice Research Foundation, Inc.	Y (3)	Y	RYEGRASS, ANNUAL Caramba	Advanta BV		
S-301	California Cooperative Rice Research Foundation, Inc.	Y (3)		Comet	AgriBioTech, Inc.		
S2-Calpearl	N. F. Davis Drier and Elevator, Inc.	Y (1)		Grazer	USDA-ARS		Y
SP211	Western Rice Research Busch Agricultural Resources, Inc.		Y	Jackson	Mississippi Agricultural and Forestry Experiment Station		
SP311	Western Rice Research Busch Agricultural Resources, Inc.		Y	Marshall	Mississippi Agricultural and Forestry Experiment Station		
Sumirice II	Sumitomo Chemical Company, Ltd.			Max	Willamette Seed Company, Inc.		
SURPASS	Western Rice Research Busch Agricultural Resources, Inc.		Y	Multimo	Advanta BV		
V4716	Farms of Texas Company			RustMaster	L. Daehnfeldt, Inc.		
V7713	Farms of Texas Company			Sakura-Wase	Snow Brand Seed Company Ltd.		
V7817	RiceTec Seed Inc. (Farms of Texas Company)			Southern Star	Forbes Seed and Grain, Inc.		
Valencia 87	N. F. Davis Drier and Elevator, Inc.	Y (1)		Surrey	Florida Agricultural Experiment Station		
Yumekaori	Mitsubishi Chemical Corporation and Mitsubishi Corporation			Tachimasari	Snow Brand Seed Company Ltd.		
RYE				Tachiwase	Snow Brand Seed Company Ltd.		
Spooner	Wisconsin Agricultural Experiment Station	Y (2)		TAM 90	Texas Agricultural Experiment Station		
				TT-80	Pure-Seed Testing, Inc.		
				Urbana	D.J. van der Have B.V.		
				WA-77	Pure-Seed Testing, Inc.		
				RYEGRASS, PERENNIAL 246	Pure-Seed Testing, Inc.		
				2CB	Pure-Seed Testing, Inc.		Y
				2DF	Pure-Seed Testing, Inc.		
				856	International Seeds, Inc.		

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PLANT VARIETY PROTECTION CERTIFICATES
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KIND	VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	TITLE V (GEN.)	1994 PVPA	APPLICANT	TITLE V (GEN.)	1994 PVPA
RYEGRASS, PERENNIAL	89-90	Mid-Valley Farms, Inc.			RYEGRASS, PERENNIAL			International Seeds, Inc.		
	Accolade	The O. M. Scott and Sons Company			Derby Supreme			International Seeds, Inc.		
	Achiever	Pickseed West Inc.			Dillon			Pure-Seed Testing, Inc.		
	Advent	Jacklin Seed Company			Dimension			Pure-Seed Testing, Inc.		
	All*Star	International Seeds, Inc.			Envy			Advanta BV		Y
	Allaire	KWS-AG	Y (3)		Fantoom		Y	Pickseed West Inc.		
	Amazon	AgriBioTech, Inc.			Fiesta			Pickseed West Inc.		
	APM	Jacklin Seed Company			Fiesta II			Snow Brand Seed Company Ltd.		
	Assure	Pure-Seed Testing, Inc.			Friend		Y	International Seeds, Inc.		
	Barball	Barenbrug Holland B.V.	Y (3)		Gator		Y	Jonathan Green and Sons, Inc. and Cascade		
	Barclay	Barenbrug Holland B.V.	Y (3)		Gettysburg			International Seed Company		
	Barrage	Barenbrug Holland B.V.	Y (3)					NK Lawn and Garden Company		
	Belle	AgriBioTech, Inc.						Company		
	Bianca	D.J. van der Have B.V.	Y (3)		Goalie			NK Lawn and Garden Company		
	Birdie II	Pure-Seed Testing, Inc.						Pure-Seed Testing, Inc.		Y
	Blazer	Pickseed West Inc.			Jazz			Pure-Seed Testing, Inc.		
	Blazer II	Pickseed West Inc.			Legacy			International Seeds, Inc.		
	Brightstar	Pure-Seed Testing, Inc.			Lindsay		Y	Saatzucht Steinach GmbH.		
	Buccaneer	John R. Koos and Sons			Lorina			Pure-Seed Testing, Inc.		
	Caliente	Willamette Seed Company, Inc.			Manhattan II			Advanta BV		
					Mondial			Pickseed West Inc.		
	Calypso	The O. M. Scott and Sons Company			Morningstar			Pure-Seed Testing, Inc.		Y
	Charger	Pure-Seed Testing, Inc.			Navajo			Ampac Seed Company		
	Citation II	Pure-Seed Testing, Inc.			Nobility			International Seeds, Inc.		
	Commander	Pure-Seed Testing, Inc.			Nova			Pure-Seed Testing, Inc.		
	Competitor	Pure-Seed Testing, Inc.			Omega II			Mommersteeg International B.V.		
	Cowboy	Pure-Seed Testing, Inc.			Ovation			Lofts Seed Company, Inc.		
	Crown	Mommersteeg International B.V.			Palmer			AgriBioTech, Inc.		Y
	Cutless	International Seeds, Inc.			Palmer II			Pure-Seed Testing, Inc.		
	Cutter	Pickseed West Inc.			Pebble Beach			Agriculture Service Corporation		
	Dandy	R. H. Bailey Seed, Inc.			Pennant			Normarc, Inc.		
	Dasher	Pickseed West Inc.						Pickseed West Inc.		
	Dasher II	Pickseed West Inc.			Pinnacle			Lofts Seed Company, Inc.		
	Delaware Dwarf	Pickseed West Inc.			Pleasure			AgriBioTech, Inc.		Y
	Delray	NK Lawn and Garden Company			Prelude			NPI Seed Inc.		
					Prelude II					
					Premier					

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
RYEGRASS, PERENNIAL				SAFFLOWER			
Prizm	Pure-Seed Testing, Inc.		Y	Erlin	Research and Development Institute, Inc.	Y (*)	Y
Quickstart	Pure-Seed Testing, Inc.		Y				
Ranger	D.J. van der Have B.V.			Montola 2001	Research and Development Institute, Inc.	Y (*)	Y
Regal	International Seeds, Inc.						
Regency	Pure-Seed Testing, Inc.			Montola-2000	Research and Development Institute, Inc.	Y (*)	
Repell	Lofts Seed Company, Inc.						
Repell II	AgriBioTech, Inc.		Y	Morlin	Research and Development Institute, Inc.	Y (1)	Y
Riviera	Pickseed West Inc.						
Saturn	Pure-Seed Testing, Inc.			MT 3697	Montana Agricultural Experiment Station	Y (*)	
Seville	R. J. Peterson						
SR 4000	Enterprises, Inc.			Oker	Montana Agricultural Experiment Station	Y (*)	
SR 4100	Seed Research of Oregon, Inc.			S-501	SeedTec International, Inc.	Y (3)	
SR 4200	Seed Research of Oregon, Inc.			S-517	SeedTec International, Inc.	Y (3)	
SR 4300	Seed Research of Oregon, Inc.			S-518	SeedTec International, Inc.	Y (3)	
Stallion	KWS-AG			S-553	SeedTec International, Inc.		
Statesman	Smith Seed Services						
Statesman II	Smith Seed Services		Y	S-555	SeedTec International, Inc.		
Surprise	Cebeco Zaden B.V.	Y (3)		S-710	SeedTec International, Inc.	Y (3)	Y
Tara	Sharon K. Jones						
Topeka	Smith Seed Services			S-730	SeedTec International, Inc.	Y (3)	Y
Trimmer	D.J. van der Have B.V.						
Twister	John R. Koos and Sons			SESAME			
Vantage	International Seeds, Inc.			Sesaco 2A	Sesaco Corporation		
Wind Star	Pure-Seed Testing, Inc.		Y	Sesaco 3	Sesaco Corporation		
Yatsyn 1	New Zealand Agriseeds Ltd.	Y (3)		Sesaco 4	Sesaco Corporation		
	AgriBioTech, Inc.		Y	Sesaco 7	Sesaco Corporation		
Yorktown III				SORGHUM			
SAFFLOWER				A8087C			
AG 1029	Adams Seed Company			HP150	Cargill, Inc.		
C/W 1221	Cal/West Seeds				Holden's Foundation Seeds, Inc.		
C/W 88-OL	Cal/West Seeds		Y	PH227	Pioneer Hi-Bred International, Inc.		
C/W-4440	Cal/West Seeds				Pioneer Hi-Bred International, Inc.		
Centennial	Research and Development Institute, Inc.	Y (*)		PH232			

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SORGHUM				SORGHUM			
PH256	Pioneer Hi-Bred International, Inc.			PHA279	Pioneer Hi-Bred International, Inc.		
PH257	Pioneer Hi-Bred International, Inc.			PHA331	Pioneer Hi-Bred International, Inc.		
PH288	Pioneer Hi-Bred International, Inc.			PHA349	Pioneer Hi-Bred International, Inc.		
PH289	Pioneer Hi-Bred International, Inc.			PHA391	Pioneer Hi-Bred International, Inc.		Y
PH308	Pioneer Hi-Bred International, Inc.			PHA429	Pioneer Hi-Bred International, Inc.		
PH309	Pioneer Hi-Bred International, Inc.			PHA432	Pioneer Hi-Bred International, Inc.		
PH310	Pioneer Hi-Bred International, Inc.			PHA651	Pioneer Hi-Bred International, Inc.		Y
PH328	Pioneer Hi-Bred International, Inc.			PHA82	Pioneer Hi-Bred International, Inc.		
PH333	Pioneer Hi-Bred International, Inc.			PHA86	Pioneer Hi-Bred International, Inc.		
PH352	Pioneer Hi-Bred International, Inc.			PHB118	Pioneer Hi-Bred International, Inc.		Y
PH355	Pioneer Hi-Bred International, Inc.			PHB122	Pioneer Hi-Bred International, Inc.		Y
PH356	Pioneer Hi-Bred International, Inc.			PHB151	Pioneer Hi-Bred International, Inc.		Y
PH387LM	Pioneer Hi-Bred International, Inc.		Y	PHB1CGQF	Pioneer Hi-Bred International, Inc.		Y
PH410	Pioneer Hi-Bred International, Inc.			PHB279	Pioneer Hi-Bred International, Inc.		
PH449	Pioneer Hi-Bred International, Inc.			PHB331	Pioneer Hi-Bred International, Inc.		
PH4KNYE	Pioneer Hi-Bred International, Inc.		Y	PHB349	Pioneer Hi-Bred International, Inc.		Y
PH538	Pioneer Hi-Bred International, Inc.		Y	PHB429	Pioneer Hi-Bred International, Inc.		Y
PHA118	Pioneer Hi-Bred International, Inc.		Y	PHB432	Pioneer Hi-Bred International, Inc.		
PHA122	Pioneer Hi-Bred International, Inc.		Y	PHB82	Pioneer Hi-Bred International, Inc.		
PHA151	Pioneer Hi-Bred International, Inc.		Y	PHB86	Pioneer Hi-Bred International, Inc.		

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(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SORGHUM				SOYBEAN			
PHBCWNL	Pioneer Hi-Bred International, Inc.		Y	6738	Novartis Seeds, Inc.		
	Pioneer Hi-Bred		Y	6847	Novartis Seeds, Inc.		
PHBEPOYJ	International, Inc.			6925	Novartis Seeds, Inc.		
	Pioneer Hi-Bred		Y	6955	Novartis Seeds, Inc.		
PHWIABQE	International, Inc.			6995	Novartis Seeds, Inc.		
	Novartis Seeds, Inc.			71229-31008	Midwest Oilseeds, Inc.		
R145	Novartis Seeds, Inc.			9004	Agriculture Canada		Y
R159	Novartis Seeds, Inc.			9007	Pioneer Hi-Bred International, Inc.		Y
SORGHUM-SUDANGRASS							
WKM III	Walter K. Moss			9008	Pioneer Hi-Bred International, Inc.		Y
WKM IV	Walter K. Moss		Y		Midwest Oilseeds, Inc.		
SOYBEAN				90210-30266	Midwest Oilseeds, Inc.		
1082	Pioneer Hi-Bred International, Inc.			90339-30435	Midwest Oilseeds, Inc.		Y
	Pioneer Hi-Bred			9041	Pioneer Hi-Bred International, Inc.		
1282	International, Inc.			9042	Pioneer Hi-Bred International, Inc.		Y
2180	Pioneer Hi-Bred International, Inc.			9061	Pioneer Hi-Bred International, Inc.		
	International, Inc.			9062	Pioneer Hi-Bred International, Inc.		
2400	Novartis Seeds, Inc.				International, Inc.		
2480	Pioneer Hi-Bred International, Inc.		Y	9071	Pioneer Hi-Bred International, Inc.		Y
293	FFR Cooperative				International, Inc.		
29725K	Latham Seed Company			9091	International, Inc.		
3172	Novartis Seeds, Inc.				Pioneer Hi-Bred International, Inc.		Y
3202	Novartis Seeds, Inc.			9092	Pioneer Hi-Bred International, Inc.		
3311	Novartis Seeds, Inc.				International, Inc.		
3481	Pioneer Hi-Bred International, Inc.			9111	Pioneer Hi-Bred International, Inc.		
	Latham Seed Company			9121	International, Inc.		
34870	Pioneer Hi-Bred				Pioneer Hi-Bred International, Inc.		
3580	International, Inc.			9131	International, Inc.		
3615	Novartis Seeds, Inc.				International, Inc.		
38735L	Latham Seed Company			9132	Pioneer Hi-Bred International, Inc.		Y
5050	Jacob Hartz Seed Company, Inc.				International, Inc.		Y
	Pioneer Hi-Bred International, Inc.			9141	International, Inc.		
5482	Midwest Oilseeds, Inc.				Pioneer Hi-Bred International, Inc.		Y
	Novartis Seeds, Inc.			9151	Pioneer Hi-Bred International, Inc.		Y
60524-30575							
6727							

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SOYBEAN				SOYBEAN			
9161	Pioneer Hi-Bred International, Inc.			9272	Pioneer Hi-Bred International, Inc.		
9162	Pioneer Hi-Bred International, Inc.			9273	Pioneer Hi-Bred International, Inc.		
9171	Pioneer Hi-Bred International, Inc.			9281	Pioneer Hi-Bred International, Inc.		Y
9172	Pioneer Hi-Bred International, Inc.		Y	9292	Pioneer Hi-Bred International, Inc.		
9181	Pioneer Hi-Bred International, Inc.			9293	Pioneer Hi-Bred International, Inc.		
9191	Pioneer Hi-Bred International, Inc.			92B51	Pioneer Hi-Bred International, Inc.		Y
9201	Pioneer Hi-Bred International, Inc.			9301	Pioneer Hi-Bred International, Inc.		
9202	Pioneer Hi-Bred International, Inc.			9302	Pioneer Hi-Bred International, Inc.		
9204	Pioneer Hi-Bred International, Inc.		Y	9303	Pioneer Hi-Bred International, Inc.		
9221	Pioneer Hi-Bred International, Inc.			9304	Pioneer Hi-Bred International, Inc.		Y
9231	Pioneer Hi-Bred International, Inc.			9305	Pioneer Hi-Bred International, Inc.		Y
9232	Pioneer Hi-Bred International, Inc.			9311	Pioneer Hi-Bred International, Inc.		
9241	Pioneer Hi-Bred International, Inc.			9312	Pioneer Hi-Bred International, Inc.		
9242	Pioneer Hi-Bred International, Inc.		Y	9321	Pioneer Hi-Bred International, Inc.		Y
9244	Pioneer Hi-Bred International, Inc.		Y	9323	Pioneer Hi-Bred International, Inc.		Y
9251	Pioneer Hi-Bred International, Inc.			9331	Pioneer Hi-Bred International, Inc.		
9252	Pioneer Hi-Bred International, Inc.		Y	9341	Pioneer Hi-Bred International, Inc.		
9254	Pioneer Hi-Bred International, Inc.		Y	9342	Pioneer Hi-Bred International, Inc.		Y
9255	Pioneer Hi-Bred International, Inc.		Y	9351	Pioneer Hi-Bred International, Inc.		
9271	Pioneer Hi-Bred International, Inc.			9352	Pioneer Hi-Bred International, Inc.		Y

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KIND	TITLE V		KIND	TITLE V		APPLICANT	TITLE V
VARIETY	(GEN.)	1994	VARIETY	(GEN.)	1994		
		PVPA			PVPA		PVPA
SOYBEAN	SOYBEAN						
9361	Pioneer Hi-Bred International, Inc.		9531			Pioneer Hi-Bred International, Inc.	
9362	Pioneer Hi-Bred International, Inc.	Y	9551			Pioneer Hi-Bred International, Inc.	
9381	Pioneer Hi-Bred International, Inc.		9552			Pioneer Hi-Bred International, Inc.	Y
9391	Pioneer Hi-Bred International, Inc.		9561			Pioneer Hi-Bred International, Inc.	
9392	Pioneer Hi-Bred International, Inc.		9571			Pioneer Hi-Bred International, Inc.	
9393	Pioneer Hi-Bred International, Inc.	Y	9581			Pioneer Hi-Bred International, Inc.	
9394	Pioneer Hi-Bred International, Inc.	Y	9582			Pioneer Hi-Bred International, Inc.	
9402	Pioneer Hi-Bred International, Inc.		9583			Pioneer Hi-Bred International, Inc.	
9411	Pioneer Hi-Bred International, Inc.		9584			Pioneer Hi-Bred International, Inc.	Y
9412	Pioneer Hi-Bred International, Inc.	Y	9591			Pioneer Hi-Bred International, Inc.	
9441	Pioneer Hi-Bred International, Inc.		9592			Pioneer Hi-Bred International, Inc.	
9442	Pioneer Hi-Bred International, Inc.		9593			Pioneer Hi-Bred International, Inc.	Y
9443	Pioneer Hi-Bred International, Inc.		9611			Pioneer Hi-Bred International, Inc.	
9451	Pioneer Hi-Bred International, Inc.	Y	9641			Pioneer Hi-Bred International, Inc.	
9461	Pioneer Hi-Bred International, Inc.		9691			Pioneer Hi-Bred International, Inc.	
9471	Pioneer Hi-Bred International, Inc.		9711			Pioneer Hi-Bred International, Inc.	
9472	Pioneer Hi-Bred International, Inc.	Y	9721			Pioneer Hi-Bred International, Inc.	Y
9491	Pioneer Hi-Bred International, Inc.	Y	9751			Pioneer Hi-Bred International, Inc.	
9501	Pioneer Hi-Bred International, Inc.		9761			Pioneer Hi-Bred International, Inc.	
9521	Pioneer Hi-Bred International, Inc.		9791			Pioneer Hi-Bred International, Inc.	

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KIND	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SOYBEAN				SOYBEAN			
9831	Pioneer Hi-Bred International, Inc.			A3501	Asgrow Seed Company		
A0358	Asgrow Seed Company			A3510	Asgrow Seed Company		
A0949	Asgrow Seed Company			A3511	Asgrow Seed Company		Y
A1179	Asgrow Seed Company			A3559	Asgrow Seed Company		
A1214	Asgrow Seed Company			A3733	Asgrow Seed Company		
A1395	Asgrow Seed Company			A3803	Asgrow Seed Company		
A1525	Asgrow Seed Company			A3935	Asgrow Seed Company		
A1662	Asgrow Seed Company			A3966	Asgrow Seed Company		
A1895	Asgrow Seed Company			A4009	Asgrow Seed Company		
A1900	Asgrow Seed Company			A4045	Asgrow Seed Company		Y
A1923	Asgrow Seed Company		Y	A4138	Asgrow Seed Company		Y
A1929	Asgrow Seed Company		Y	A4271	Asgrow Seed Company		
A2012	Asgrow Seed Company			A4341	Asgrow Seed Company		Y
A2187	Asgrow Seed Company			A4393	Asgrow Seed Company		
A2234	Asgrow Seed Company			A4539	Asgrow Seed Company		Y
A2242	Asgrow Seed Company			A4595	Asgrow Seed Company		
A2396	Asgrow Seed Company			A4715	Asgrow Seed Company		
A2427	Asgrow Seed Company			A4906	Asgrow Seed Company		
A2506	Asgrow Seed Company			A4922	Asgrow Seed Company		Y
A2522	Asgrow Seed Company			A4997	Asgrow Seed Company		
A2540	Asgrow Seed Company			A5149	Asgrow Seed Company		
A2543	Asgrow Seed Company			A5308	Asgrow Seed Company		
A2680	Asgrow Seed Company			A5403	Asgrow Seed Company		
A2722	Asgrow Seed Company			A5545	Asgrow Seed Company		Y
A2835	Asgrow Seed Company		Y	A5560	Asgrow Seed Company		
A2872	Asgrow Seed Company			A5843	Asgrow Seed Company		Y
A2943	Asgrow Seed Company			A5885	Asgrow Seed Company		
A3205	Asgrow Seed Company			A5979	Asgrow Seed Company		
A3237	Asgrow Seed Company			A5980	Asgrow Seed Company		
A3242	Asgrow Seed Company		Y	A6242	Asgrow Seed Company		
A3304	Asgrow Seed Company			A6297	Asgrow Seed Company		
A3307	Asgrow Seed Company		Y	A6381	Asgrow Seed Company		
A3313	Asgrow Seed Company			A6520	Asgrow Seed Company		
A3322	Asgrow Seed Company		Y	A6711	Asgrow Seed Company		
A3415	Asgrow Seed Company			A6785	Asgrow Seed Company		
A3420	Asgrow Seed Company			A6961	Asgrow Seed Company		
A3427	Asgrow Seed Company			A7258	Asgrow Seed Company		
A3431	Asgrow Seed Company			A7372	Asgrow Seed Company		
			Y	A7986	Asgrow Seed Company		

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KIND VARIETY	APPLICANT	TITLE V 1994		KIND VARIETY	APPLICANT	TITLE V 1994	
		(GEN.)	PVPA			(GEN.)	PVPA
SOYBEAN							
Accomac	Virginia Agricultural Experiment Station	Y (2)	Y	SOYBEAN Bellatti-R-77-84 Bert	Louis Bellatti	Y (3)	
AG1901	Asgrow Seed Company		Y		Minnesota Agricultural Experiment Station	Y (3)	
AG2101	Asgrow Seed Company		Y	Birch	Illinois Foundation Seeds, Inc.	Y (2)	
AG2301	Asgrow Seed Company		Y		Curators of the University of Missouri	Y (3)	
AG3002	Asgrow Seed Company		Y	Bradley	North Carolina	Y (3)	
Agassiz	Minnesota Agricultural Experiment Station	Y (3)		Brim	Agricultural Research Service and USDA-ARS		
Alpha	Minnesota Agricultural Experiment Station	Y (3)			Purdue University, Indiana Agricultural Experiment Station	Y (3)	Y
AP 120	Agripro Seeds, Inc.			Bronson	Iowa Agriculture and Home Economics Experiment Station	Y (3)	
AP 1650	Agripro Seeds, Inc.				Iowa Agriculture and Home Economics Experiment Station	Y (3)	
AP 1776	Agripro Seeds, Inc.				Ziller Seed Company, Inc.		
AP 1989	Agripro Seeds, Inc.			BSR 201	Ziller Seed Company, Inc.		
AP 2021	Agripro Seeds, Inc.				Ziller Seed Company, Inc.		
AP 2190	Agripro Seeds, Inc.				Ziller Seed Co., Inc.		Y
AP 230	Agripro Seeds, Inc.			BSR 302	Ziller Seed Company, Inc.		
AP 2324	Agripro Seeds, Inc.				Louisiana Agricultural Experiment Station		
AP 240	Agripro Seeds, Inc.				Illinois Agricultural Experiment Station	Y (3)	
AP 3023	Agripro Seeds, Inc.			BT 1422	Kentucky Agricultural Experiment Station	Y (3)	
AP 3132	Agripro Seeds, Inc.			BT 1790	Experiment Station		
AP 3773	Agripro Seeds, Inc.			BT 2585	Virginia Polytechnic Institute and State University	Y (2)	
AP 3977	Agripro Seeds, Inc.			BT 2877	Ohio Agricultural Research and Development Center, Ohio State University	Y (*)	
AP 420	Agripro Seeds, Inc.			BT 2911			
AP 4321	Agripro Seeds, Inc.			BT 2919			
Archer	Iowa State University Research Foundation, Inc.	Y (3)		Buckshot 723	Kentucky Agricultural Experiment Station	Y (2)	Y
Ardir	Pioneer Hi-Bred International, Inc.			Burlison			
Avery	Curators of the University of Missouri	Y (3)		Calhoun			
B095	Novartis Seeds, Inc.			Camp			
B117	Novartis Seeds, Inc.						
B152	Novartis Seeds, Inc.			Century 84			
B203	Novartis Seeds, Inc.						
B236	Novartis Seeds, Inc.						
B242	Novartis Seeds, Inc.						
B335	Novartis Seeds, Inc.						
Bell	University of Illinois	Y (3)		CF 492	Kentucky Agricultural Experiment Station	Y (2)	Y

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KIND	TITLE V 1994		KIND	TITLE V 1994		APPLICANT	TITLE V 1994 (GEN.)	PVPA	PVPA
VARIETY	APPLICANT	(GEN.)	VARIETY	APPLICANT	(GEN.)	APPLICANT	(GEN.)	PVPA	PVPA
SOYBEAN			SOYBEAN						
Chamberlain	Illinois Agricultural Experiment Station	Y (*)	CX232	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
Chapman	Ohio Agricultural Research and Development Center, Ohio State University	Y (3)	CX248 CX252	DEKALB Plant Genetics DEKALB Genetics Corporation		DEKALB Plant Genetics DEKALB Genetics Corporation		Y Y	
Charleston	Ohio Agricultural Research and Development Center and USDA-ARS	Y (3)	CX260c	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
Chesapeake	Virginia Polytechnic Institute and State University	Y (3)	CX267 CX278	DEKALB Plant Genetics DEKALB Genetics		DEKALB Plant Genetics DEKALB Genetics		Y	
Coker 355	Novartis Seeds, Inc.	Y (3)	CX291	DEKALB Plant Genetics		DEKALB Plant Genetics			
Coker 368	Novartis Seeds, Inc.	Y (3)	CX298	DeKalb-Pfizer Genetics		DeKalb-Pfizer Genetics			
Coker 393	Novartis Seeds, Inc.	Y (3)	CX313	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
Coker 425	Novartis Seeds, Inc.	Y (3)	CX314	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
Coker 485	Novartis Seeds, Inc.	Y (3)	CX329	DEKALB Plant Genetics		DEKALB Plant Genetics			
Coker 627	Novartis Seeds, Inc.	Y (3)	CX335	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
Coker 686	Novartis Seeds, Inc.			DEKALB Genetics		DEKALB Genetics			
Collier	B. B. Collier-Barney A. Smith	Y (1)	CX339c	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
Conrad	Iowa Agriculture and Home Economics Experiment Station	Y (3)	CX351	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
Corsica	Maryland Agricultural Experiment Station	Y (3)	CX360	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
CS24	Callahan Enterprises, Inc.		CX377 CX394c	DEKALB Plant Genetics DEKALB Genetics		DEKALB Plant Genetics DEKALB Genetics		Y Y	
CS38	Callahan Enterprises, Inc.		CX399 CX411	DEKALB Plant Genetics DEKALB Genetics		DEKALB Plant Genetics DEKALB Genetics		Y Y	
CX046	DEKALB Genetics Corporation	Y	CX434	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
CX121	DEKALB Plant Genetics			DEKALB Genetics		DEKALB Genetics			
CX173	DEKALB Genetics Corporation	Y	CX445	DEKALB Genetics Corporation		DEKALB Genetics Corporation		Y	
CX205	DEKALB Genetics Corporation	Y	CX458	DeKalb-Pfizer Genetics		DeKalb-Pfizer Genetics			
CX210	DEKALB Plant Genetics		CX469c	DEKALB Plant Genetics		DEKALB Plant Genetics			
CX228	DEKALB Plant Genetics	Y	CX478 CX499c	DEKALB Plant Genetics DEKALB Genetics Corporation		DEKALB Plant Genetics DEKALB Genetics Corporation		Y Y	

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PLANT VARIETY PROTECTION CERTIFICATES
(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SOYBEAN				SOYBEAN			
Cypress 6000 Dassel	Milburn Farms, Inc. Minnesota Agricultural Experiment Station	Y (1) Y (3)		Douglas DP 3519S	Kansas Agricultural Experiment Station Delta and Pine Land Company	Y (3)	1994 PVPA
Dawson	Minnesota Agricultural Experiment Station	Y (*)		DP 3553	Delta and Pine Land Company		Y
Delsoy 4210	Curators of the University of Missouri	Y (3)		DP 3570	Delta and Pine Land Company		Y
Delsoy 4500	Curators of the University of Missouri	Y (3)		DP 3571S	Delta and Pine Land Company		Y
Delsoy 4710	Curators of the University of Missouri	Y (3)		DP 3588	Delta and Pine Land Company		Y
Delsoy 4900	Curators of the University of Missouri	Y (3)		DP 3589	Delta and Pine Land Company		Y
Deltapine 246	Delta and Pine Land Company			DP 3606	Delta and Pine Land Company		Y
Deltapine 415	Delta and Pine Land Company			DP 3627	Delta and Pine Land Company		
Deltapine 417	Delta and Pine Land Company			DP 3640	Delta and Pine Land Company		Y
Deltapine 497	Delta and Pine Land Company			DP 3681	Delta and Pine Land Company		Y
Deltapine 566	Delta and Pine Land Company			DP 3682	Delta and Pine Land Company		Y
Deltapine 675	Delta and Pine Land Company			DP 3733	Delta and Pine Land Company		Y
Deltapine 726	Delta and Pine Land Company			DP 3776	Delta and Pine Land Company		Y
Deltapine 878	Delta and Pine Land Company			DP 3818	Delta and Pine Land Company		
Derry	Agricultural Research Service USDA	Y (3)	Y	DSR-128	Dairyland Seed Company, Inc.		
Desoto	Kansas Agricultural Experiment Station	Y (3)		DSR-155	Dairyland Seed Company, Inc.		
Dillon	South Carolina Agricultural Experiment Station	Y (2)	Y	DSR-227	Dairyland Seed Company, Inc.	Y (2)	
Doles	University of Georgia Research Foundation, Inc.	Y (2)	Y	DSR-262	Dairyland Seed Company, Inc.		
Donegal	Agricultural Research Service USDA	Y (3)	Y	DSR-287	Dairyland Seed Company, Inc.		

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(Through March 31, 2000)

KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SOYBEAN							
DSR-297	Dairyland Seed Company, Inc.			SOYBEAN Flyer	Ohio Agricultural Research and Development Center, Ohio State University	Y (3)	Y
DSR-317	Dairyland Seed Company, Inc.				Minnesota Agricultural Experiment Station	Y (3)	Y
DSR-320	Dairyland Seed Company, Inc.	Y (2)		Freeborn	Agratech Seeds Inc.	Y (3)	
DSR-352	Dairyland Seed Company, Inc.	Y (2)		GK-67 GL 2250	Soybean Research Foundation, Inc.		
DSR-373	Dairyland Seed Company, Inc.			Glacier	Minnesota Agricultural Experiment Station	Y (3)	Y
Edison	Ohio Agricultural Research and Development Center, Ohio State University	Y (3)		Glenwood	Minnesota Agricultural Experiment Station	Y (3)	
Elgin 87	Iowa Agriculture and Home Economics Experiment Station	Y (3)		Gnome 85	Ohio Agricultural Research and Development Center and USDA-ARS	Y (3)	
EPPS	Dr. E. E. Hartwig, USDA	Y (3)		GR8836	Ohio Agricultural Research and Development Center, Ohio State University	Y (2)	
Faribault	Minnesota Agricultural Experiment Station	Y (3)	Y		Ohio Agricultural Research and Development Center, Ohio State University		
FFR 253	FFR Cooperative			GR8936	Minnesota Agricultural Experiment Station	Y (2)	
FFR 299	FFR Cooperative				Soybean Research Foundation, Inc.		
FFR 343	FFR Cooperative				Jacob Hartz Seed Company, Inc.		
FFR 373	FFR Cooperative			Granite	Jacob Hartz Seed Company, Inc.	Y (3)	Y
FFR 398	FFR Cooperative			Gutwein 225	Jacob Hartz Seed Company, Inc.		
FFR 464	FFR Cooperative			H4464	Jacob Hartz Seed Company, Inc.		
FFR 493	FFR Cooperative			H507	Jacob Hartz Seed Company, Inc.		
FFR 500	FFR Cooperative			H5088	Jacob Hartz Seed Company, Inc.		
FFR 542	FFR Cooperative			H5566	Jacob Hartz Seed Company, Inc.		
FFR 553	FFR Cooperative				Jacob Hartz Seed Company, Inc.		
FFR 560	FFR Cooperative			H608	Jacob Hartz Seed Company, Inc.		
FFR 561	FFR Cooperative			H639	Jacob Hartz Seed Company, Inc.		
FFR 563	FFR Cooperative						
FFR 565	FFR Cooperative						
FFR 583	FFR Cooperative						
FFR 595	FFR Cooperative						
FFR 646	FFR Cooperative						
FFR 695	FFR Cooperative						
FFR 731	FFR Cooperative						

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SOYBEAN				SOYBEAN			
H6397	Jacob Hartz Seed Company, Inc.			Hartz 7110	Jacob Hartz Seed Company, Inc.		
H7190	Jacob Hartz Seed Company, Inc.			Hartz 7126	Jacob Hartz Seed Company, Inc.		
H8558	Jacob Hartz Seed Company, Inc.			Hartz 8112	Jacob Hartz Seed Company, Inc.		
Hack	Illinois Agricultural Experiment Station	Y (3)		Hartz 914	Jacob Hartz Seed Company, Inc.		
Hamilton	University of Illinois	Y (3)		Hartz 9190	Jacob Hartz Seed Company, Inc.	Y (3)	
Hardin	Iowa Agriculture and Home Economics Experiment Station	Y (3)		Hartz 922	Jacob Hartz Seed Company, Inc.		
Harper 87	Iowa Agriculture and Home Economics Experiment Station	Y (3)		Hartz 930	Jacob Hartz Seed Company, Inc.	Y (3)	
Hartwig	Curators of the University of Missouri	Y (3)		Hartz Variety H 6255	Jacob Hartz Seed Company, Inc.		Y
Hartz 5164	Jacob Hartz Seed Company, Inc.			Haskell	University of Georgia Research Foundation, Inc.	Y (2)	Y
Hartz 5171	Jacob Hartz Seed Company, Inc.			Hawkson	Identity Seed and Grain Company		
Hartz 5252	Jacob Hartz Seed Company, Inc.			Hayes	Ohio Agricultural Research and Development Center, Ohio State University	Y (2)	
Hartz 5370	Jacob Hartz Seed Company, Inc.			Hendricks	Minnesota Agricultural Experiment Station	Y (3)	Y
Hartz 6130	Jacob Hartz Seed Company, Inc.			Hobbit	Ohio Agricultural Research and Development Center and USDA-ARS	Y (3)	
Hartz 6200	Jacob Hartz Seed Company, Inc.			Hobbit 87	Ohio Agricultural Research and Development Center and USDA-ARS	Y (3)	
Hartz 6372	Jacob Hartz Seed Company, Inc.			Holladay	North Carolina Agricultural Research Service and USDA-ARS	Y (3)	Y
Hartz 6383	Jacob Hartz Seed Company, Inc.			HP 2530	Agripro Seeds, Inc.		
Hartz 6383R	Jacob Hartz Seed Company, Inc.			HP 3033S	Agripro Seeds, Inc.		
Hartz 6385	Jacob Hartz Seed Company, Inc.			HP 4800	Agripro Seeds, Inc.		
Hartz 6686	Jacob Hartz Seed Company, Inc.			HS 2455	Agripro Seeds, Inc. Growmark, Inc.		

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SOYBEAN				SOYBEAN			
HS 2533	Growmark, Inc.			Keller	Purdue University	Y (3)	
HS 2821	Growmark, Inc.				Agricultural Experiment		
HS 302	Growmark, Inc.				Station		
HS 321	Growmark, Inc.			Kenwood	Iowa Agriculture and Home	Y (3)	
HS 339	Growmark, Inc.				Economics Experiment		
HS 348	Growmark, Inc.				Station		
HSC 591	Helena Chemical Company, dba HyPerformer Seed Company			KG20	King Grain, Inc.		
				KG30	King Grain, Inc.		
				KG60	King Grain, Inc.		
				KG70	King Grain, Inc.		
HSC 623	Helena Chemical Company			Kosuzu	Tohoku National		
HSC 721	HyPerformer Seed Company				Agricultural Experiment		
HSC 741	Helena Chemical Company				Station, Ministry of		
HSC B2J	HyPerformer Seed Company				Agriculture, Forestry and		
HSC Baldwin	HyPerformer Seed Company				Fisheries		
HT261 STS	Genecorp, Inc.	Y (*)	Y	KS 3494	Kansas Agricultural	Y (3)	Y
HT331 STS	Genecorp, Inc.	Y (*)	Y		Experiment Station		
HT381 STS	Genecorp, Inc.		Y	KS4390	Kansas Agricultural	Y (3)	
HT5203	Stanford Seed Company	Y (1)			Experiment Station		
Hutcheson	Virginia Polytechnic Institute and State University	Y (*)		KS4694	Kansas Agricultural	Y (3)	Y
					Experiment Station		
HY 574	Hyperformer Seed Company		Y	KS5292	Kansas Agricultural	Y (3)	
HY 798	University of Georgia		Y		Experiment Station		
	Research Foundation, Inc.			Kunitz	University of Illinois	Y (2)	
J-231	The Lubrizol Corporation			L1771	Land O'Lakes, Inc.		
J-72	The Lubrizol Corporation			L2330	Land O'Lakes, Inc.		
J-8287	The Lubrizol Corporation			L2333	Land O'Lakes, Inc.		
J-8389	The Lubrizol Corporation			L4106	Land O'Lakes, Inc.		
J103	The Lubrizol Corporation			L4204	Land O'Lakes, Inc.		
J82	The Lubrizol Corporation			L4207	Land O'Lakes, Inc.		
Jack	University of Illinois	Y (3)		L4303	Land O'Lakes, Inc.		
Johnston	North Carolina	Y (3)		L4503	Land O'Lakes, Inc.		
	Agricultural Experiment Station			L4504	Land O'Lakes, Inc.		
K87	King Agro Inc.			Lakota	Iowa Agriculture and Home	Y (3)	
Kasota	Minnesota Agricultural Experiment Station	Y (3)			Economics Experiment		
Kato	Minnesota Agricultural Experiment Station	Y (3)		Lambert	Minnesota Agricultural	Y (3)	
					Experiment Station		

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	1994 PVPA
Leflore	Mississippi Agricultural and Forestry Experiment Station and USDA-ARS	Y (3)		SOYBEAN Pennyrile	Kentucky Agricultural Experiment Station	Y (3)		
Leslie	Minnesota Agricultural Experiment Station	Y (3)		Pershing	Curators of the University of Missouri	Y (3)		
LS301	Iowa Agriculture and Home Economics Experiment Station			Piatt	Illinois Agricultural Experiment Station	Y (3)		
Manokin	Maryland Agricultural Experiment Station	Y (3)		Platte	University of Nebraska and SEA, USDA	Y (3)		
Marcus	Iowa Agriculture and Home Economics Experiment Station	Y (3)		PRN-82 Probst	BSF Ag Research Purdue University, Indiana Agricultural Experiment Station	Y (3)		
Maxcy	South Carolina Agricultural Experiment Station	Y (2)	Y	RA-403 RA-405 RA-451	Novartis Seeds, Inc. Novartis Seeds, Inc. Novartis Seeds, Inc.			
Miami	Purdue University Agricultural Experiment Station	Y (3)		RA-452 RA-502 RA-580	Novartis Seeds, Inc. Novartis Seeds, Inc. Novartis Seeds, Inc.			
Minnatto	Minnesota Agricultural Experiment Station	Y (2)		RA-606 RA-680	Novartis Seeds, Inc. Novartis Seeds, Inc.			
Mitchell 410 Musen	Novartis Seeds, Inc. South Carolina Agricultural Experiment Station	Y (2)	Y	Regal	Purdue University Agricultural Experiment Station and USDA-ARS	Y (3)		
NattoKing K86 Ohio FG1	King Agro Inc. Ohio Agricultural Research and Development Center, Ohio State University	Y (*)		Resnik	Ohio Agricultural Research and Development Center, Ohio State University	Y (3)		
Ohio FG2	Ohio Agricultural Research and Development Center, Ohio State University	Y (*)		Ripley	Ohio Agricultural Research and Development Center and USDA-ARS	Y (3)		
Ozzie	Minnesota Agricultural Experiment Station	Y (3)		Riverside 2024 Riverside 303C RS 2330	The Lubrizol Corporation The Lubrizol Corporation Agripro Seeds, Inc.			Y
Parker	Minnesota Agricultural Experiment Station	Y (3)		S00-66 S00-88 S06-57	Novartis Seeds, Inc. Novartis Seeds, Inc. Novartis Seeds, Inc.			
Pearl	North Carolina Agricultural Research Service and USDA-ARS	Y (3)		S07-80 S09-90 S09-95	Novartis Seeds, Inc. Novartis Seeds, Inc. Novartis Seeds, Inc.			Y

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(Through March 31, 2000)

KIND	TITLE V (GEN.)	1994 PVPA	KIND	1994 PVPA	APPLICANT	TITLE V (GEN.)	1994 PVPA	TITLE V (GEN.)
VARIETY			VARIETY		APPLICANT			
SOYBEAN			SOYBEAN					
S12-22			S39-41		Novartis Seeds, Inc.			
S12-49			S39-93	Y	Novartis Seeds, Inc.			Y
S13-J6			S39-99	Y	Novartis Seeds, Inc.			
S14-60			S40-44		Novartis Seeds, Inc.			
S15-50			S42-30		Novartis Seeds, Inc.			
S17-18			S42-32		Novartis Seeds, Inc.			Y
S18-11		Y	S42-40		Novartis Seeds, Inc.			
S18-84			S42-50		Novartis Seeds, Inc.			
S19-90			S42-60		Novartis Seeds, Inc.			Y
S20-20			S43-34		Novartis Seeds, Inc.			
S20-26			S44-77		Novartis Seeds, Inc.			
S20-91		Y	S45-01		Novartis Seeds, Inc.			Y (*)
S21-98			S46-44		Novartis Seeds, Inc.			
S23-03			S48-84		Novartis Seeds, Inc.			
S23-06		Y	S52-25		Novartis Seeds, Inc.			Y
S23-12			S53-34		Novartis Seeds, Inc.			
S24-24			S57-11		Novartis Seeds, Inc.			Y
S24-92			S59-19		Novartis Seeds, Inc.			
S25-07			S59-60		Novartis Seeds, Inc.			
S25-15			S59-95		Novartis Seeds, Inc.			Y
S26-06			S61-10		Novartis Seeds, Inc.			
S27-10			S61-89		Novartis Seeds, Inc.			
S28-01			S62-66		Novartis Seeds, Inc.			
S28-18			S64-23		Novartis Seeds, Inc.			
S29-11		Y	S66-90		Novartis Seeds, Inc.			Y
S29-18		Y	S69-54		Novartis Seeds, Inc.			
S29-20			S69-96		Novartis Seeds, Inc.			
S29-39			S72-60		Novartis Seeds, Inc.			
S30-06		Y	S74-40		Novartis Seeds, Inc.			
S30-31			S75-55		Novartis Seeds, Inc.			Y
S30-41			S83-30		Novartis Seeds, Inc.			
S31-33			Sampson		Helena Chemical Company			
S33-32			Sanalona		Prairie Seed Company, Inc.			
S33-45								
S34-19			Sandusky		Ohio Agricultural Research and Development Center, The Ohio State University Research Foundation			Y (*)
S35-35								
S36-36								
S38-83								
S39-11								

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
SOYBEAN				SOYBEAN			
Sharkey	Mississippi Agricultural and Forestry Experiment Station	Y (3)		Terra-Vig 616	Terral-Norris Seed Company, Inc.	Y (3)	
Sherman	Ohio Agricultural Research and Development Center, Ohio State University	Y (3)		Terra-Vig 6253 Terra-Vig 6792	Terral-Norris Seed Company, Inc.		Y
Shiloh Sibley	Helena Chemical Company Minnesota Agricultural Experiment Station			Terra-Vig 717	Terral-Norris Seed Company, Inc.	Y (3)	
Simpson	Minnesota Agricultural Experiment Station	Y (3)		Terra-Vig 808	Terral-Norris Seed Company, Inc.	Y (3)	
Sparks	Kansas Agricultural Experiment Station	Y (*)		Terral TV5495	Terral-Norris Seed Co., Inc.		Y
Spartan Spencer	Bryco, Inc. Purdue University Agricultural Experiment Station and USDA-ARS	Y (3) Y (3)		Terral TV5666RR Terral TV5797	Terral Seed, Inc. Terral Seed, Inc.		Y Y
Sprite 87	Ohio Agricultural Research and Development Center and USDA-ARS University of Illinois Soybean Research Foundation, Inc.	Y (3) Y (3)		Thorne TK 89 TN 4-86	The Ohio State University King Agro Inc. Tennessee Agricultural Experiment Station	Y (*)	
Spry SRF 205	University of Illinois Soybean Research Foundation, Inc.	Y (3)		Toyopro	Minnesota Agricultural Experiment Station	Y (2)	Y
SS 390	Southern States Cooperative, Inc.			TS250 Tyrone	Novartis Seeds, Inc. Agricultural Research Service USDA	Y (*) Y (3)	Y
SS 487	Southern States Cooperative, Inc.			Vertex	Ohio Agricultural Research and Development Center, The Ohio State University Research Foundation	Y (*)	
SS 516	Southern States Cooperative, Inc.			Vinton 81	Iowa Agriculture and Home Economics Experiment Station	Y (3)	
Starr Sturdy	Helena Chemical Company Minnesota Agricultural Experiment Station	Y (*)		W20	E. I. du Pont de Nemours and Company		
Sumter Terra-Vig 505	Helena Chemical Company Terral-Norris Seed Company, Inc.	Y (3)		Wicomico Winchester	University of Maryland Purdue University Agricultural Experiment Station	Y (3) Y (3)	Y
Terra-Vig 553	Terral-Norris Seed Company, Inc.	Y (3)		Young	North Carolina Agricultural Research Service	Y (3)	
Terra-Vig 5555	Terral-Norris Seed Company, Inc.		Y				

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KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA	KIND VARIETY	APPLICANT	TITLE V 1994 (GEN.)	PVPA
SOYBEAN				TOBACCO			
Zane	Ohio Agricultural Research and Development Center, Ohio State University	Y (*)		Coker 51	Novartis Seeds, Inc.	Y (*)	
				K317	Novartis Seeds, Inc.		
				K326	Novartis Seeds, Inc.	Y (*)	
				K340	Novartis Seeds, Inc.	Y (*)	
SPRUCE				K346	Novartis Seeds, Inc.	Y (3)	
Hy-Blu	Michigan State University	Y (3)		K358	Novartis Seeds, Inc.	Y (*)	
SQUASH				K394	Novartis Seeds, Inc.	Y (*)	
Bunutkin	Charles Tateosian			K399	Novartis Seeds, Inc.	Y (*)	
Swan White Table	Swan Health Farms and Cattle Company, Inc.			K730	Novartis Seeds, Inc.	Y (3)	
Queen				Speight G-108	Speight Seed Farms, Inc.	Y (3)	
STEIRODISCUS				Speight G-117	Speight Seed Farms, Inc.	Y (3)	
Gold Rush	American Takii, Inc.	Y (1)		Speight-G-80	Speight Seed Farms, Inc.	Y (3)	
STEVIA				TOMATO			
P. J. Suzuki	F. K. Suzuki			71-72	Del Monte Corporation		
	International, Inc.			71-75	Del Monte Corporation		
SUNFLOWER				887	LSL Biotechnologies, Inc.		
687	Cargill, Inc.			888	LSL Biotechnologies, Inc.		
Lyngs Premier	Ed. J. Lyng Co., Division of Trinidad Benham Corp.		Y	Advantage	Harris Moran Seed Company		
California				Apex 1000	Harris Moran Seed Company		
Greystripe				Baxter's Early Bush Cherry	Walter Baxter Seed Company, Inc.		
PHA009	Pioneer Hi-Bred International, Inc.			Beall's Gourmet	Frances B. Chesser		
PHA043	Pioneer Hi-Bred		Y	Butte	Harris Moran Seed Company		
PHA052	International, Inc.			Castle Red	Sunseeds Company		
	Pioneer Hi-Bred		Y	Castlerock	Sunseeds Company		
	International, Inc.			Castlong ug	Sunseeds Company		
PHA053	Pioneer Hi-Bred		Y	Cherokee	North Carolina Agricultural Experiment Station		
PHA061	International, Inc.		Y		Harris Moran Seed Company		
SS405B	Novartis Seeds, Inc.			Colusa	Campbell Soup Company,		
Sunspot	K. Sahin, Zaden B.V., and Dr. Ir. E. Sahin			CX 8106	Campbell Institute for Research and Technology		
TEFF				Diablo	Harris Moran Seed Company		
Dessie	The Teff Company	Y (2)	Y	DNAP-17	DNA Plant Technology Corporation		
TOBACCO				DNAP-9	DNA Plant Technology Corporation		
Coker 176	Novartis Seeds, Inc.	Y (3)					
Coker 206	Novartis Seeds, Inc.	Y (3)					
Coker 371 Gold	Novartis Seeds, Inc.	Y (1)					

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
Easy Harvest	Campbell Soup Company, Campbell Institute for Research and Technology			NC 50-7	North Carolina Agricultural Experiment Station		
Easy Winner	Campbell Soup Company, Campbell Institute for Research and Technology			NC 8276	North Carolina Agricultural Research Service		
Enduro	Harris Moran Seed Company Florida Agricultural Experiment Station			NC 8288	North Carolina Agricultural Research Service		
Florida 7060	Florida Agricultural Experiment Station						
Florida 7171	Florida Agricultural Experiment Station			NC 84173	North Carolina Agricultural Research Service		
Harris Moran 3075 Horizon	Harris Moran Seed Company Florida Agricultural Experiment Station	Y (*)		NC EBR-3	North Carolina Agriculture Research Service		
Indiana 812	Purdue University Agricultural Experiment Station			NC EBR-4	North Carolina Agriculture Research Service		
KGM 963 Liberator Micro-Tom	Kagome Kabushiki Kaisha Harris Moran Seed Company Florida Agricultural Experiment Station		Y	Ohio 7983	Ohio Agricultural Research and Development Center, Ohio State University		
Monte Verde	North Carolina Agricultural Research Service			Ohio 8243	Dr. Stanley Z. Berry and The Ohio State University		
Moran 3053 Mountain Gold	Harris Moran Seed Company North Carolina Agricultural Research Service			Orion P-19	Harris Moran Seed Company Seminis Vegetable Seeds, Inc.		
MURRIETA II Mystro NC 109	Harris Moran Seed Company Sunseeds Company North Carolina Agriculture Research Service			Peelmech Peto 111	Harris Moran Seed Company Seminis Vegetable Seeds, Inc.		
NC 1C	North Carolina Agricultural Research Service			Peto 343	Seminis Vegetable Seeds, Inc.		
				Peto 460	Seminis Vegetable Seeds, Inc.		
				Peto 94C	Seminis Vegetable Seeds, Inc.		
NC 2C	North Carolina Agricultural Research Service			Peto 95-43	Seminis Vegetable Seeds, Inc.		
				Promo	Harris Moran Seed Company		

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
Ramsay	Campbell Soup Company, Campbell Institute for Research and Technology			TRITICALE Triti-Gold 22	Dean Bork		
Rio Colorado	Seminis Vegetable Seeds, Inc.			Victoria	Resource Seeds, Inc.		
Sun 1643	Sunseeds Company			TURNIP	Zelder B.V.		
Sun 6095	Sunseeds Company			Mosa	Harris Moran Seed Company		
Super Beefsteak	W. Atlee Burpee Company			Royal Gem			
Sureset	Harris Moran Seed Company			VERBENA, ANNUAL			
Tioga	Campbell Soup Company, Campbell Institute for Research and Technology			Romance Deeprose	S&G Seeds B.V.		
	Harris Moran Seed Company			Romance Scarlet	S&G Seeds B.V.		
VF 9209	Campbell Institute for Research and Technology			Romance Scarlet Eyed	S&G Seeds B.V.		
XP 5034	Harris Moran Seed Company			Romance White	S&G Seeds B.V.		
	Seminis Vegetable Seeds, Inc.			VINCA			
Yuba	Harris Moran Seed Company			Grape Cooler	Pan American Seed Company		Y
TREFOIL, BIRDSFOOT	University of Kentucky			Heat Wave Grape	John Bodger & Sons Co.		Y
Fergus	USDA, Agricultural	Y (3)	Y	Heat Wave Orchid	John Bodger & Sons Co.		Y
Steadfast	Research Service			Heat Wave Peppermint	John Bodger & Sons Co.		Y
	Resource Seeds, Inc.			Heat Wave Pink	John Bodger & Sons Co.		Y
TRITICALE	Resource Seeds, Inc.			Heat Wave White	Company		
102	Resource Seeds, Inc.			Little Salmon	Sakata Seed America, Inc.		Y
2700	Resource Seeds, Inc.		Y	Mediterranean Lilac	Waller Flowerseed Company		Y
6600	Resource Seeds, Inc.		Y	Pacifica Deep Orchid	Waller Flowerseed Company		Y
Blizzard	Drs. Fred C. and Nancy A. Elliott		Y	Pacifica Lilac	Waller Flowerseed Company		Y
Buxom	Drs. Fred C. and Nancy A. Elliott		Y	Pacifica Pink	Waller Flowerseed Company		Y
Companion	Drs. Fred C. and Nancy A. Elliott		Y	Pacifica Punch	Waller Flowerseed Company		Y
	Drs. Fred C. and Nancy A. Elliott		Y	Pacifica Red	Waller Flowerseed Company		Y
Enduro	Agrecol Corporation	Y (1)		Parasol	The University of Connecticut		Y
Eve	Resource Seeds, Inc.			Passion	John Bodger and Sons Company		
Grace	Resource Seeds, Inc.			Peppermint Cooler	Pan American Seed Company		
Jenkins	Resource Seeds, Inc.			Pink Panther	John Bodger and Sons Company		
Norico	Drs. Fred C. and Nancy A. Elliott		Y	Tropicana Blush	The University of Connecticut		
Nutricale	Fred C. Elliott			Tropicana Bright Eye	The University of Connecticut		
Roughrider	Goertzen Seed Research			Tropicana Pink	The University of Connecticut		
Stan II	Resource Seeds, Inc.			Tropicana Rose	The University of Connecticut		
Stan-I	Resource Seeds, Inc.						

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WATERMELON										
<W-9809>		Abbott & Cobb, Inc.		Y	WHEAT, COMMON			Pioneer Hi-Bred		
AU-Golden Producer		Alabama Agricultural Experiment Station	Y (3)		2154			International, Inc.		
AU-Jubilant		Alabama Agricultural Experiment Station, Department of Horticulture	Y (3)		2157			Kansas Agricultural Experiment Station	Y (3)	
		Alabama Agricultural Experiment Station, Department of Horticulture			2158			Kansas Agricultural Experiment Station	Y (3)	
AU-Producer		Alabama Agricultural Experiment Station, Department of Horticulture	Y (3)		2163			Kansas Agricultural Experiment Station	Y (3)	
		Alabama Agricultural Experiment Station, Department of Horticulture			2165			Pioneer Hi-Bred		
		Alabama Agricultural Experiment Station			2172			International, Inc.		
AU-Sweet Scarlet		Alabama Agricultural Experiment Station	Y (3)		2180			Kansas Agricultural Experiment Station	Y (3)	
Big Crimson		Coffey Seed Company						Kansas Agricultural Experiment Station		
Bush Charleston Gray		Novartis Seeds, Inc.			2369			NDSU Research Foundation	Y (3)	
Bush Jubilee		Novartis Seeds, Inc.			2370			NDSU Research Foundation	Y (2)	
Charlee		Florida Agricultural Experiment Station			2371			NDSU Research Foundation	Y (2)	
		Novartis Seeds, Inc.			2375			NDSU Research Foundation	Y (2)	
Charleston Elite		Novartis Seeds, Inc.			2385			Pioneer Hi-Bred		
Chubby Gray		Coffey Seed Company						International, Inc.		
Crimson Diamond		Coffey Seed Company			2398			NDSU Research Foundation	Y (2)	Y
Cutter 55		Coffey Seed Company			2510			Pioneer Hi-Bred		
Jimmy		FreshWorld, L.P.		Y				International, Inc.		
Jubilee II		Florida Agricultural Experiment Station			2540			Pioneer Hi-Bred		Y
		Novartis Seeds, Inc.						International, Inc.		
Juliett		Novartis Seeds, Inc.			2545			Pioneer Hi-Bred		
Lisa		Fresh World Farms, Inc.		Y				International, Inc.		
Long Crimson		Coffey Seed Company			2548			Pioneer Hi-Bred		
Louisiana Sweet		Louisiana Agricultural Experiment Station	Y (*)		2550			International, Inc.		
		Florida Agricultural Experiment Station						Pioneer Hi-Bred		
Mickylee		Florida Agricultural Experiment Station			2551			International, Inc.		
Minilee		Florida Agricultural Experiment Station			2552			Pioneer Hi-Bred		
Sun Gold		Harris Moran Seed Company						International, Inc.		
Sunsugar		Novartis Seeds, Inc.			2553			Pioneer Hi-Bred		
Sweet Treat		W. Atlee Burpee Company						International, Inc.		
Tastigold		Coffey Seed Company			2555			Pioneer Hi-Bred		
Yellow Crimson		Coffey Seed Company						International, Inc.		

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WHEAT, COMMON 2566	Pioneer Hi-Bred International, Inc.			WHEAT, COMMON 7837	HybriTech Seed International, Inc.	Y (3)	
2568	Pioneer Hi-Bred International, Inc.		Y	7846	HybriTech Seed International, Inc.	Y (3)	
2571	Pioneer Hi-Bred International, Inc.			814	Novartis Seeds, Inc.		
2580	Pioneer Hi-Bred International, Inc.			817	HybriTech Seed International, Inc.		
25R26	Pioneer Hi-Bred International, Inc.		Y	822	MBS Seed, Inc.		
25R57	Pioneer Hi-Bred International, Inc.		Y	830	HybriTech Seed International, Inc.		
25W33	Pioneer Hi-Bred International, Inc.		Y	9227	Novartis Seeds, Inc.	Y (3)	
25W60	Pioneer Hi-Bred International, Inc.		Y	9323	Novartis Seeds, Inc.	Y (3)	
2628	Pioneer Hi-Bred International, Inc.		Y	A99ar	Causmex Corporation	Y (2)	
2643	Pioneer Hi-Bred International, Inc.			Abilene	Agipro Seeds, Inc.	Y (3)	
2684	Pioneer Hi-Bred International, Inc.		Y	Adder	Purdue University	Y (3)	
2691	Pioneer Hi-Bred International, Inc.		Y	Adena	Agricultural Experiment Station and USDA-ARS		
2737W	Pioneer Hi-Bred International, Inc.				Ohio Agricultural Research and Development Center, Ohio State University	Y (2)	
522W	The University of Georgia Research Foundation, Inc.	Y (2)	Y	Admire	World Wide Wheat L.L.C.	Y (3)	
5409	Seed Research Division, Agrigenetics Corp.	Y (3)		Akron	Colorado State University	Y (3)	Y
5469	The Lubrizol Corporation			Alliance	Board of Regents, University of Nebraska and USDA-ARS	Y (3)	Y
5630	The Lubrizol Corporation			Apex 83	Western Plant Breeders, Inc.	Y (*)	
715	HybriTech Seed International, Inc.			Arapahoe	Board of Regents, University of Nebraska and USDA-ARS	Y (3)	
775	Novartis Seeds, Inc.			Arkan	Kansas Agricultural Experiment Station	Y (3)	
7805	HybriTech Seed International, Inc.	Y (3)		Arlin	Kansas Agricultural Experiment Station	Y (3)	Y
7833	HybriTech Seed International, Inc.	Y (3)		ATW 270	Florida Agricultural Experiment Station	Y (3)	
				Auburn	Purdue University	Y (3)	
					Agricultural Experiment Station and USDA-ARS		

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	TITLE V (GEN.)	1994 PVPA	APPLICANT	TITLE V (GEN.)	1994 PVPA
WHEAT, COMMON				WHEAT, COMMON					
Conan	Western Plant Breeders			Y	Fleming		University of Georgia	Y (2)	Y
Coronado	HybriTech US, a Monsanto Company	Y (3)		Y			Research Foundation, Inc. (UGARF) and University of Florida Agricultural Experiment Station (UFAES)		
Dalen	Agripro Seeds, Inc.	Y (3)			Florida 302		Florida Agricultural Experiment Station	Y (3)	
Discovery	Goertzen Seed Research	Y (3)			Florida 303		Florida Agricultural Experiment Station	Y (3)	
Dodge	Kansas Agricultural Experiment Station	Y (3)			Florida 304		Florida Agricultural Experiment Station, University of Florida	Y (3)	
Dynasty	Ohio Agricultural Research and Development Center, Ohio State University	Y (3)		Y			Kentucky Agricultural Experiment Station	Y (3)	Y
Elkhart	HybriTech US, a Monsanto Company	Y (3)		Y	Foster		Ohio Agricultural Research and Development Center, Ohio State University	Y (3)	
Elkhorn	NDSU Research Foundation	Y (3)		Y	Freedom		Goertzen Seed Research Inc.	Y (3)	Y
Erik	Agripro Seeds, Inc.	Y (3)		Y			University of Georgia Research Foundation, Inc.	Y (2)	Y
Ernest	NDSU Research Foundation	Y (3)		Y			University of Georgia Research Foundation, Inc.	Y (2)	Y
Ernie	The Curators of the University of Missouri	Y (2)		Y			Utah Agricultural Experiment Station	Y (3)	
Estica	CEBECO ZADEN B.V.	Y (3)		Y			Cornell University Agricultural Experiment Station	Y (2)	
Excel	Ohio Agricultural Research and Development Center, Ohio State University	Y (3)		Y	G1878		Wisconsin Agricultural Experiment Station	Y (2)	
Express	Western Plant Breeders, Inc.	Y (*)			GA-Dozier		NDSU Research Foundation	Y (3)	Y
Featherstone 520	Virginia Agricultural Experiment Station & Virginia Tech Intellectual Properties, Inc.	Y (3)		Y	GA-Stuckey		The Ohio State University Research Foundation	Y (2)	
Feland	Southern States Cooperative, Inc.	Y (3)			Garland		Ohio Agricultural Research and Development Center, Ohio State University	Y (2)	
Fergus	Western Plant Breeders, Inc.			Y	Geneva				
FFR 525W	FFR Cooperative			Y					
FFR 555W	FFR Cooperative			Y					
Fillmore	Purdue University Agricultural Experiment Station and USDA-ARS	Y (3)			GR 855				

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
WHEAT, COMMON GR863	Ohio Agricultural Research and Development Center, Ohio State University	Y (2)		WHEAT, COMMON Idaho 377s	University of Idaho Idaho Agricultural Experiment Station	Y (3)	Y
GR876	Ohio Agricultural Research and Development Center, Ohio State University	Y (2)		Ike INW8841	Kansas Agricultural Experiment Station Purdue University Agricultural Experiment Station	Y (3)	Y
GR915	Ohio Agricultural Research and Development Center, Ohio State University			IVAN	HybriTech Seed International, A Unit of Monsanto Company	Y (3)	Y
Grant	Purdue University, Indiana Agricultural Experiment Station	Y (2)		Jackson	Virginia Agricultural Experiment Station	Y (2)	Y
GSR 2500 Guard	Goertzen Seed Research South Dakota Agricultural Experiment Station	Y (3) Y (3)	Y	Jagger	Kansas Agricultural Experiment Station	Y (3)	Y
Gunner Hagar	AgriPro Seeds, Inc. HybriTech Seed International, A Unit of Monsanto Company	Y (3) Y (3)	Y Y	Jaypee Jesse Jules Karen Karl	Dr. Robert Bacon Agripro Seeds, Inc. Colorado State University The Andersons Kansas Agricultural Experiment Station	Y (*) Y (3) Y (3) Y (3)	Y
Halt Hamer	Colorado State University HybriTech US, a Monsanto Company	Y (3) Y (3)	Y Y	Karl 92	Kansas Agricultural Experiment Station Kansas Agricultural Experiment Station	Y (3) Y (3)	
Haven Hickok	Goertzen Seed Research HybriTech US, a Monsanto Company	Y (3) Y (3)		Keene Klasic KULM	NDSU Research Foundation Novartis Seeds, Inc. NDSU Agricultural Experiment Station	Y (1) Y (3)	Y Y
Hickory	HybriTech US, a Monsanto Company	Y (3)		Laredo	HybriTech US, a Monsanto Company	Y (3)	
Hillsdale Hipro Hondo	Michigan State University Sogetal, Inc. HybriTech Seed International, A Unit of Monsanto Company	Y (2) Y (3) Y (3)		Lars	HybriTech US, a Monsanto Company	Y (3)	Y
Howell HR 48 HR 53 HR 64	University of Illinois Agripro Seeds, Inc. Agripro Seeds, Inc. Agripro Seeds, Inc.	Y (3) Y (3) Y (3) Y (3)		Leif Lincoln Longhorn Lowell Mac-1 Madison	McIntyre-Pyle Seeds, Inc. Agripro Seeds, Inc. HybriTech US, a Monsanto Company Michigan State University Plant Breeders 1, Inc. Virginia Agricultural Experiment Station	Y (3) Y (3) Y (3) Y (2) Y (3) Y (2)	Y

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KIND	TITLE V 1994		KIND	TITLE V 1994		APPLICANT	TITLE V 1994	
VARIETY	APPLICANT	(GEN.)	PVPA	VARIETY	(GEN.)	PVPA	(GEN.)	PVPA
WHEAT, COMMON				WHEAT, COMMON				
Magnum	Agripro Seeds, Inc.	Y (3)		Norm	Y (3)		Minnesota Agricultural Experiment Station	Y (3)
Mallard	HybriTech US, a Monsanto Company	Y (3)		Norseman	Y (3)		Agripro Seeds, Inc.	Y (3)
Marion	HybriTech Seed International, A Unit of Monsanto Company	Y (3)	Y	NuWest	Y (3)		Research and Development Institute, Inc.	Y
Marshall	Minnesota Agricultural Experiment Station	Y (3)		NYBatavia	Y (3)		Cornell University Agricultural Experiment Station	Y (2)
Mason	HybriTech US, a Monsanto Company	Y (3)	Y	Ogallala	Y (3)		HybriTech US, a Monsanto Company	Y (3)
Meggie	Agripro Seeds, Inc.	Y (3)		Oro Blanco	Y (3)		HybriTech Seed International, A Unit of Monsanto Company	Y (3)
Mendon	Michigan State University	Y (2)	Y		Y (2)			Y
Meridian	Idaho Agricultural Experiment Station	Y (3)		Oxen	Y (3)		South Dakota Agricultural Experiment Station	Y
Merrimac	Wisconsin Agricultural Experiment Station	Y (3)		Patterson	Y (3)		Purdue University	Y (2)
Mesa	Agripro Seeds, Inc.	Y (3)		Patton	Y (3)		HybriTech Seed International, A Unit of Monsanto Company	Y
Milburn	Richardson Seeds, Inc.	Y (3)		Pecos	Y (3)		HybriTech US, a Monsanto Company	Y (3)
Mindoro	Sogetal, Inc.	Y (3)		Pennmore	Y (2)	Y	Pennsylvania Agricultural Experiment Station	Y (2)
Minnpro	Minnesota Agricultural Experiment Station	Y (3)		Pike	Y (3)		Curators of the University of Missouri	Y (3)
Morey	University of Georgia Research Foundation, Inc. (UGARF) and University of Florida Agricultural Experiment Station (UFAES)	Y (2)	Y	Platte	Y (3)		HybriTech Seed International, A Unit of Monsanto Company	Y
Morgan	Western Plant Breeders		Y	Pocahontas	Y (3)		Virginia Agricultural Experiment Station	Y (2)
Mustang	Agripro Seeds, Inc.	Y (3)		Poco Red	Y (3)		World Wide Wheat L.L.C.	Y (3)
Niobrara	University of Nebraska & USDA/ARS	Y (3)	Y	Ponderosa	Y (3)		HybriTech US, a Monsanto Company	Y (3)
Nora	Jose Buck S.A.	Y (3)	Y	Pontiac	Y (3)		HybriTech US, a Monsanto Company	Y (3)
Norak	HybriTech Seed International, Inc.			Pony	Y (3)		HybriTech Seed International, Inc.	Y (3)
Nordic	Agripro Seeds, Inc.	Y (3)		RAM	Y (3)	Y	Agripro Seeds, Inc.	Y (3)
Norkan	Kansas Agricultural Experiment Station	Y (3)						
Norlander	HybriTech US, a Monsanto Company	Y (3)	Y					

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Rawhide	Board of Regents, University of Nebraska and USDA-ARS	Y (3)		SOLOMON	HybriTech Seed International, A Unit of Monsanto Company	Y (3)	Y
Redland	Board of Regents, University of Nebraska	Y (3)		Sonja	HybriTech US, a Monsanto Company	Y (3)	
RHS 8232	Novartis Seeds, Inc.	Y (3)		Stallion	Agripro Seeds, Inc.	Y (3)	
Rio Blanco	Agripro Seeds, Inc.	Y (3)		Success	Agripro Seeds, Inc.	Y (3)	
Ritmo	CEBECO ZADEN B.V.	Y (3)	Y	Sunstar II	Sunderman Breeding Inc.	Y (3)	
Rodeo	HybriTech Seed International, Inc.	Y (3)		Sunstar Promise Symphony	Sunderman Breeding Inc.	Y (2)	
Rowdy	HybriTech US, a Monsanto Company	Y (3)	Y	Syringa	Tainio Technology and Technique, Inc.	Y (3)	
RSI 5	Resource Seeds, Inc.	Y (3)	Y	TAM 107	Plant Breeders 1, Inc.	Y (3)	
Russ	South Dakota Agricultural Experiment Station	Y (3)	Y	TAM 108	Texas Agricultural Experiment Station		
Salmon	Plant Breeders 1, Inc.	Y (3)		TAM 109	Texas Agricultural Experiment Station	Y (2)	
Saluda	Virginia Agricultural Experiment Station	Y (*)		TAM 202	Texas Agricultural Experiment Station	Y (3)	
Savannah	HybriTech US, a Monsanto Company	Y (3)		TAM 300	Texas Agricultural Experiment Station	Y (3)	
Sawyer	HybriTech US, a Monsanto Company	Y (3)		Tammy	World Seeds, Inc.	Y (3)	
Scotty	Illinois Agricultural Experiment Station and USDA-ARS	Y (3)		Telemark	Agripro Seeds, Inc.	Y (3)	
Sharpshooter	Western Plant Breeders, Inc.		Y	Terral 1011	Terral-Norris Seed Company, Inc.		Y
Shelby	HybriTech Seed International, A Unit of Monsanto Company	Y (3)	Y	Terral 877	Terral-Norris Seed Company, Inc.		
Shiloh	HybriTech US, a Monsanto Company	Y (3)	Y	Terral TV8555	Terral Seed, Inc.	Y (3)	
Sierra	HybriTech US, a Monsanto Company	Y (3)		Thunderbird	Agripro Seeds, Inc.	Y (3)	
Siouxland	Board of Regents, University of Nebraska and USDA-ARS	Y (3)		Tomahawk	HybriTech US, a Monsanto Company	Y (3)	
Siouxland 89	Texas Agricultural Experiment Station	Y (3)		Trailblazer	Agripro Seeds, Inc.	Y (3)	
				Traveler	Agripro Seeds, Inc.	Y (3)	
				Trenton	NDSU Research Foundation	Y (3)	Y
				Twain	Agripro Seeds, Inc.	Y (3)	
				Vance	Minnesota Agricultural	Y (3)	
				Vandal	Experiment Station		
					Idaho Agricultural Experiment Station		

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WHEAT, COMMON				WHEAT, DURUM			
Vanna	Western Plant Breeders, Inc.		Y	Ben	NDSU Research Foundation	Y (3)	Y
Verde	Minnesota Agricultural Experiment Station	Y (3)	Y	Bravadur	World Wide Wheat L.L.C.	Y (3)	
Verne	Kentucky Agricultural Experiment Station	Y (2)		Cortez	Western Plant Breeders, Inc.		Y
Victory	Agripro Seeds, Inc.	Y (3)		D-5003	Germain's Seeds, Inc.	Y (3)	
Vista	Board of Regents, University of Nebraska and USDA-ARS	Y (3)		Diavolo Duro Dressler	World Wide Wheat L.L.C.	Y (3)	
Voyager	Goertzen Seed Research	Y (3)		Duraking	Agriculture and Agri-Food Canada	Y (3)	Y
W2501	Agripro Seeds, Inc.	Y (3)		Durex	World Wide Wheat L.L.C.	Y (3)	
W2502	Agripro Seeds, Inc.	Y (3)		Durostar	World Wide Wheat L.L.C.	Y (3)	
W88-039	HybriTech US, a Monsanto Company	Y (3)	Y	Fjord	Agripro Seeds, Inc.	Y (3)	
Waco	Agripro Seeds, Inc.	Y (3)		Imperial	Western Plant Breeders, Inc.	Y (*)	
Wakefield	Virginia Agricultural Experiment Station	Y (2)		Kofa	Western Plant Breeders, Inc.		Y
Walera	HybriTech Seed International, Inc.	Y (3)		Kronos	Arizona Plant Breeders, Inc.	Y (3)	Y
WestBred 470	Western Plant Breeders			Maier	NDSU Research Foundation	Y (*)	Y
WestBred 911	Western Plant Breeders, Inc.	Y (*)	Y	Mountrail	NDSU Research Foundation	Y (*)	Y
WestBred 936	Western Plant Breeders, Inc.		Y	Munich	NDSU Research Foundation	Y (3)	Y
WestBred Challenger	Western Plant Breeders, Inc.	Y (*)		Reva	World Wide Wheat L.L.C.	Y (3)	
WI88-052-13	HybriTech US, a Monsanto Company		Y	Stockholm	Agripro Seeds, Inc.	Y (3)	
Windstar	Board of Regents, University of Nebraska	Y (3)	Y	Voss	HybriTech US, a Monsanto Company	Y (3)	
Winmaster	Abilene Ag Service Inc.	Y (3)		WestBred 803	Western Plant Breeders, Inc.	Y (*)	
WinTex	Bredemeyer Bros.	Y (3)	Y	WestBred 881	Western Plant Breeders, Inc.	Y (*)	
Wrangler	Agripro Seeds, Inc.	Y (3)	Y	WestBred 883	Western Plant Breeders, Inc.	Y (*)	
Yuma	Colorado State University	Y (3)		WestBred Laker	Western Plant Breeders, Inc.	Y (*)	
WHEAT, DURUM				WestBred Turbo	Western Plant Breeders, Inc.	Y (*)	
Aruba	Western Plant Breeders, Inc.		Y	WHEAT, POLISH			
Belzer	NDSU Research Foundation	Y (*)	Y	QK-77	T. M. Quinn		
				WHEAT, POULARD	Dr. C.F. Konzak	Y (3)	Y
				Memdu			

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KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA	KIND VARIETY	APPLICANT	TITLE V (GEN.)	1994 PVPA
WHEAT, SPELT Frackenkorn GR 900	Pflanzenzucht Oberlimpurg The Ohio State University Research Foundation	Y (3) Y (2)					
WHEATGRASS NewHy	USDA-ARS, Utah Agricultural Experiment Station, USDA-SCS	Y (2)					
ZINNIA Pinwheel Rose Red Lollipop	W. Atlee Burpee Company W. Atlee Burpee Company						

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